

# SHARP

**MX-M503N/U 453N/U**  
**MX-M363N/U 283N**  
Digital Multifunction System



## SALES GUIDE

SHARP *DOCUMENT* SOLUTIONS



## INTRODUCTION

The MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N are highly productive black & white multifunctional systems for small/medium workgroups.

The new MFPs have been designed with efficiency in mind. Especially, as for N models, their large 8.5" colour LCD touch panel with handy thumbnail preview and the optional retractable keyboard make operating the MFP easy. The N models can also be equipped with an expansion memory board that enables users to produce compact PDF with high quality. Furthermore, the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N also support the latest Sharp OSA 3.0 and 3.2, which makes it easier for users to customise their MFP and integrate it into their office workflow.

Speed of business and cost efficiency are becoming more important than ever. To meet these needs, the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N have improved print and copy speeds of 50, 45, 36, and 28ppm respectively. By using optional 4K finisher, users can print a large amount of data without interruption. The N models support 1200 x 1200dpi – without sacrificing its printing speed. In addition, N models support not only black & white scan but also colour scan with 70opm.

In summary, the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N are well placed to become market leaders in their respective segments.

N-Model with high capacity finisher

U-Model with high capacity finisher





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**MARKET ANALYSIS**

■ **The Mono MFP Market**

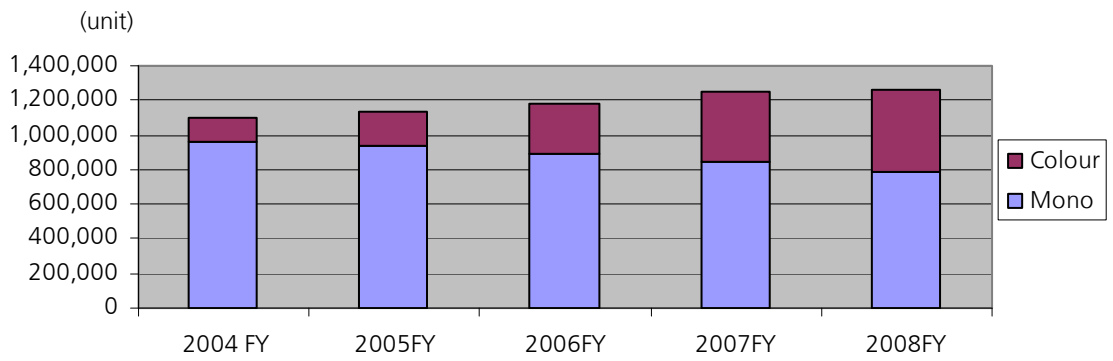
The mono A3 MFP market has been under pressure for several years thanks to the ever growing popularity of the colour / colour capable market.

The push for cheaper / faster colour machines was often predicted to be the end of the mono market in a fairly short time, mirroring the Inkjet printer market.

In truth, the move towards colour MFPs has been steady if not spectacular, with the impressive gains in the colour market not being matched by equivalent losses in the mono market. It seems clear that in the long term the market will shift inexorably towards colour output, mono MFPs still constitute over 60% of the office MFP market.

The mono MFP is not dead yet!

**A3 MFP Colour Vs Mono Unit Sales**



As the graph above shows, the overall market for A3 MFPs has been growing steadily (3% CAGR\* 2004-2008). It is also clear that the driving force behind that growth is the colour market. However, that still only accounts for 38% of the overall market.

Even at the current rate of change, mono MFPs will still constitute the majority of the market for several years, although clearly it will become more and more competitive as manufacturers fight for their share of a shrinking market.

Between 2004 and 2008, the colour market increased at 36% CAGR, whilst the mono market shrank at -5% CAGR. However, the majority of the fall in the mono market was in the lower end (the 11-15ppm segment shrank at -47%) with the rest of the market shrinking much more slowly.

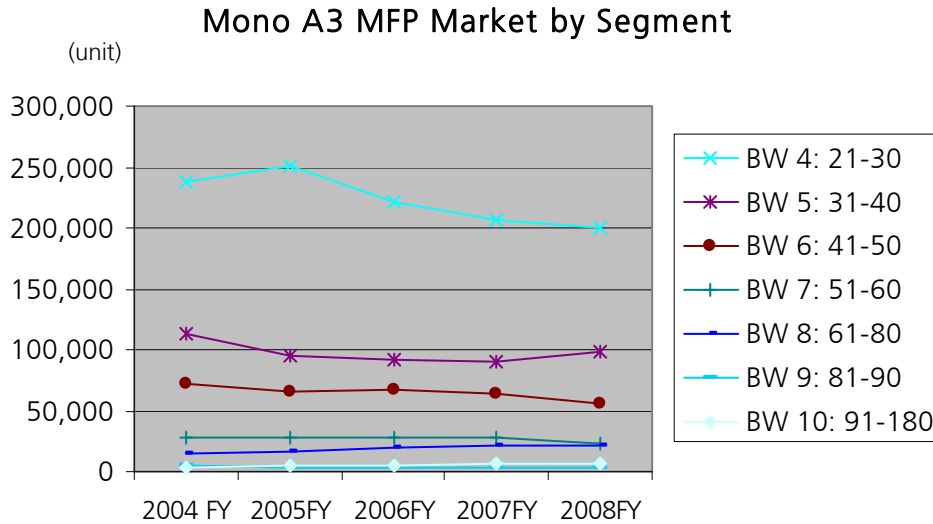
Mono A3 MFP segment growth rate 04-08	
21-30ppm	-4%
31-40ppm	-3%
41-50ppm	-6%
Combined	-4%

\* CAGR: Compound Annual Growth Rate





Whilst the overall picture shows a declining market, further analysis shows that the picture isn't quite that simple.



The 21-30ppm market has begun to turn down since 2005, but the rate of decline has slowed dramatically to the point that it appears to have hit a plateau.

The 41-50ppm segment has maintained a gradual decline, but the surprise is the 31-40ppm segment, which showed a slight increase in unit sales in 2008.

No doubt this has a lot to do with falling prices and shrinking customer budgets, but this shows that there is still a strong demand for workgroup and office – sized mono MFPs.

In fact the demand for this type of product is so strong that the decline in sales for this segment is less than the decline of the overall mono MFP market.

#### % of the A3 Mono MFP market by segment

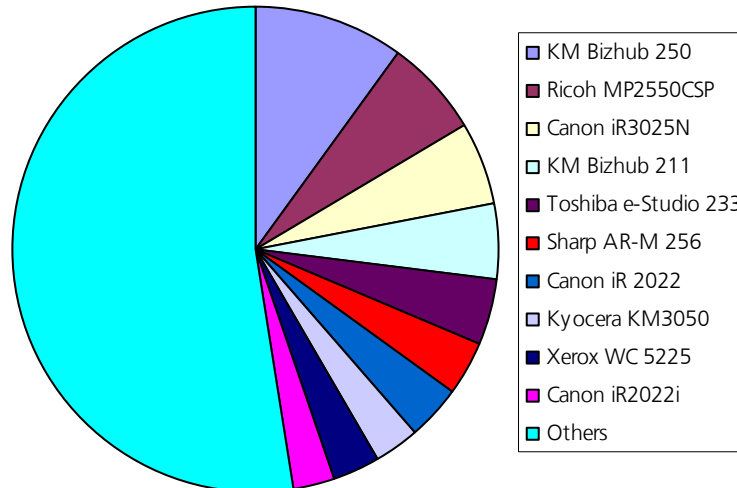
	2004 FY	2005 FY	2006 FY	2007 FY	2008 FY
21-30	24.64%	26.72%	24.83%	24.47%	25.68%
31-40	11.71%	10.09%	10.35%	10.78%	12.65%
41-50	7.45%	6.95%	7.49%	7.53%	7.20%
21-50 combined	43.80%	43.76%	42.67%	42.79%	45.53%



■ **The Competitors**

Since the new Sharp models span such a wide range of speeds, competitors have been broken down into their respective speed segments.

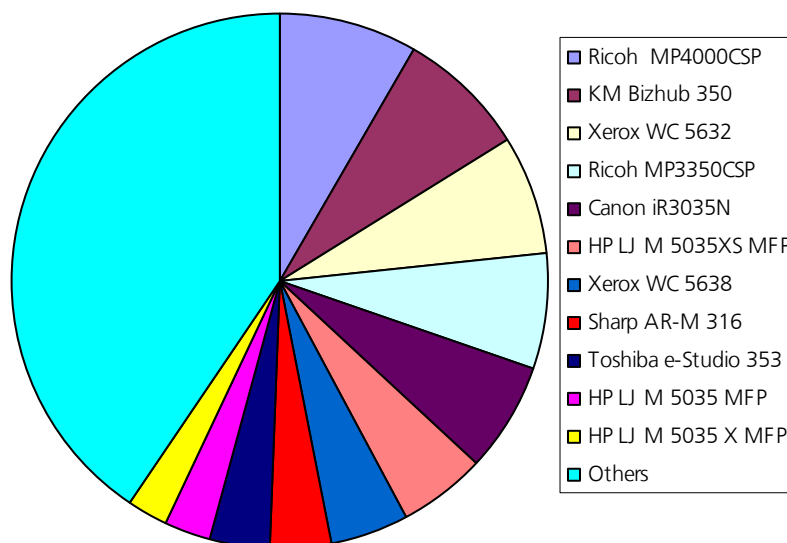
**21-30ppm Mono A3 MFP (2008)**



The 21-30ppm segment is clearly very fragmented, although Konica Minolta and Canon both have 2 of the top 10 sellers each.

The top 10 best-selling MFPs only accounts for 47% of the overall market, and it's interesting to note that there is a mixture of relatively high-functionality machines (KM Bizhub 250, Ricoh MP2550CSP, Canon iR202i) and low-end (Bizhub 211, Canon iR2022)

**31-40ppm Mono A3 MFP (2008)**

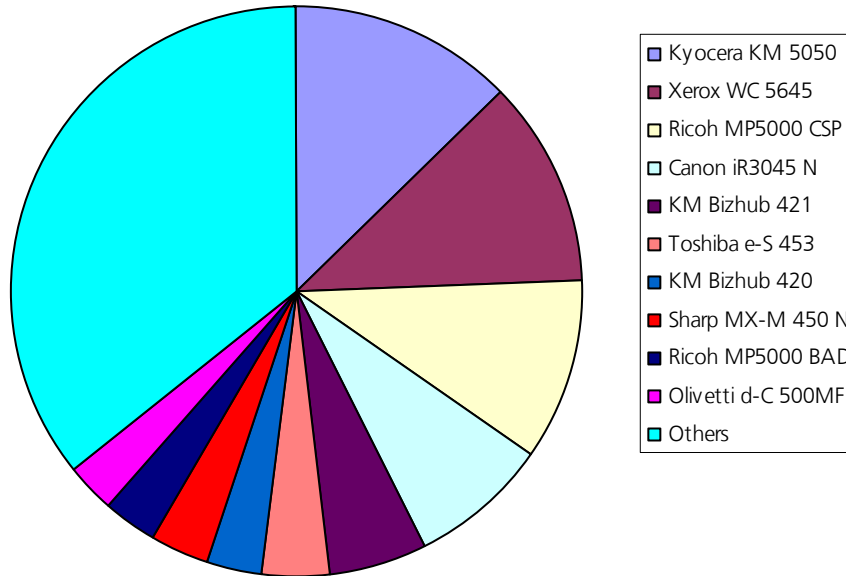






As with the 21-30ppm segment, the top 2 machines are manufactured by Ricoh and Canon, but this segment is much less fragmented, with the top 10 machines accounting for almost 60% of unit sales.

**41-50ppm Mono A3 MFP (2008)**



In the 41-50ppm segment, the top 3 units account for over a third of the overall market, with the Kyocera KM-5050, Xerox WorkCentre 5645 and Ricoh Aficio MP5000 taking the top spots.

The top 10 accounts for more than 64% of the market – more than either the 21-30ppm or 41-50ppm, suggesting that this segment is much less congested in terms of different models available.

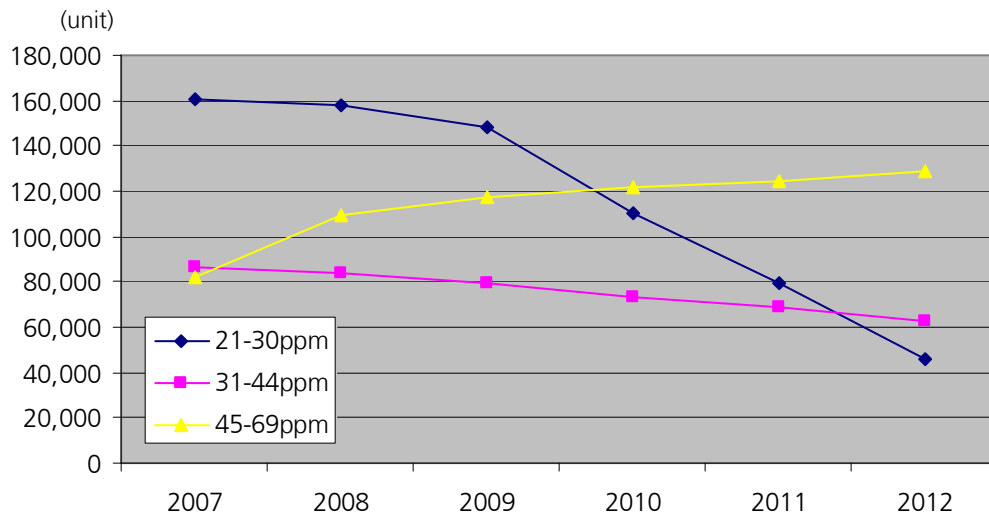
Of the top 10 sellers, 4 are rated at the top end of the segment - 50ppm - suggesting that speed is one of the key selling points in the segment, especially compared to the other segments.



## ■ The Future

As has already been stated, the A3 monochrome MFP market is under a great deal of pressure, and is gradually shrinking. However, it still accounts for the majority of the market (in terms of unit sales) and therefore cannot not be ignored.

A3 Mono MFP Future trends (IDC)



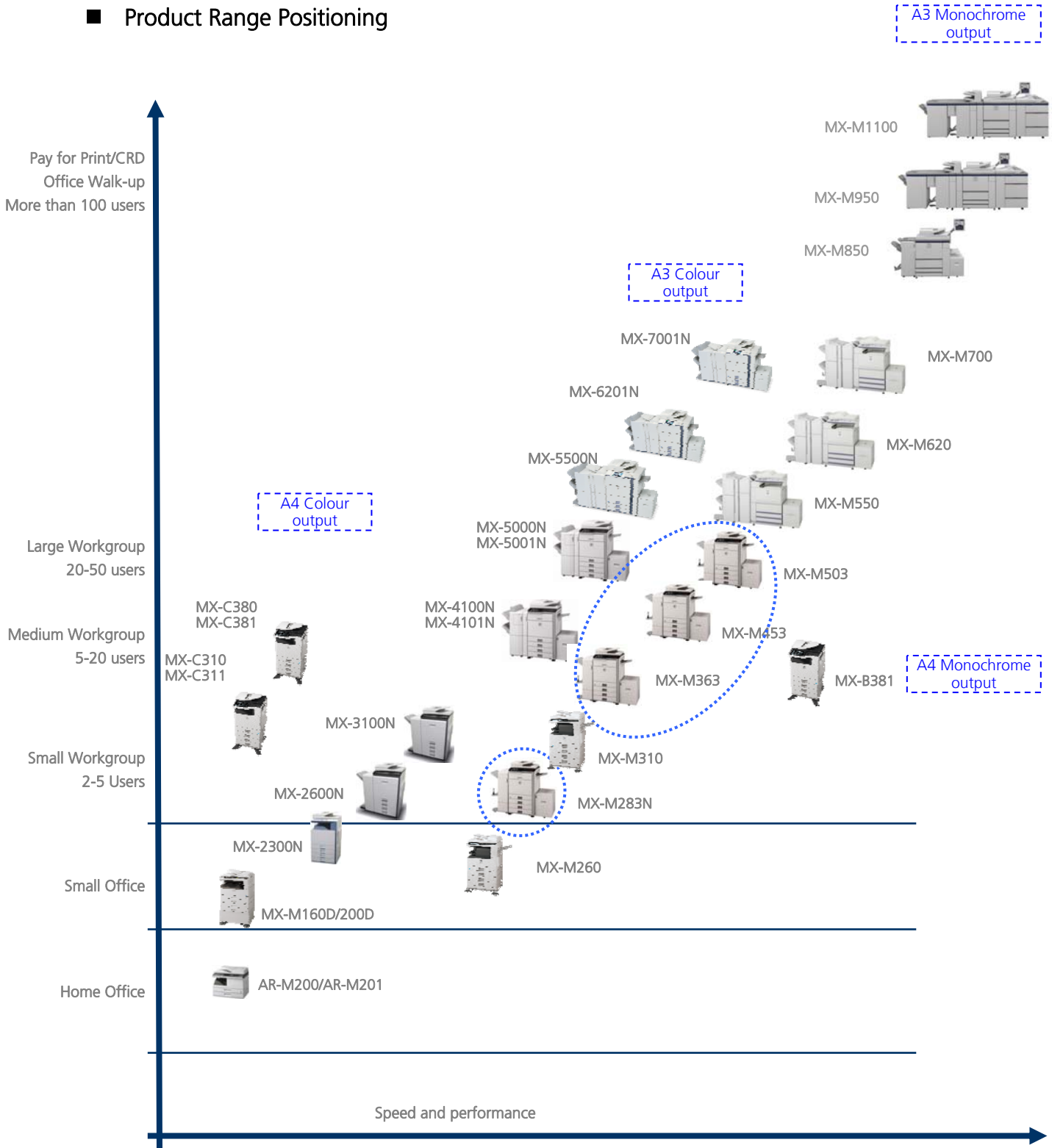
The future (according to IDC) shows a marked move towards the higher end of the market, with the 21-30ppm segment falling significantly, the 31-44ppm segment shrinking, but slowly and the 45-69ppm segment actually growing slightly.

The new MX-M36x to MX-M50x models obviously fit into the relatively healthy segments. The MX-M283N can be considered a high-quality unit in the 21-30ppm category. The additional finishing, security and Sharp OSA functionality not usually seen in this segment are potential sales arguments that can keep Sharp competitive in a shrinking market.



**PRODUCT POSITIONING**

■ **Product Range Positioning**





■ **Recommended MCV**

Print & Copy Speed	Model	Optimum Volume		Life	Maximum Monthly Volume
		From	To		
Black & White: 28ppm	<b>MX-M283N</b>	15K	40K	2,500K or 5 years	150K
Black & White: 36ppm	<b>MX-M363N/U</b>	15K	40K	2,500K or 5 years	200K
Black & White: 45ppm	<b>MX-M453N/U</b>	15K	40K	2,500K or 5 years	200K
Black & White: 50ppm	<b>MX-M503N/U</b>	15K	40K	2,500K or 5 years	200K

**Optimum Monthly Volume**

The recommended volume at which the copier/printer will maintain an optimum performance level on an on-going basis.

**Machine Life**

The Machine Life represents the product design life for a machine that has used genuine Sharp supplies and has been serviced at the preventative maintenance schedule by fully experienced technicians. It is intended for planning purposes only due to the influence on the life of the product by external sources such as environment, customer handling, copy/print media used and geographical location.

**Maximum Monthly Volume**

The Maximum Monthly Volume indicates the greatest volume the copier/printer can handle, when work patterns demand. Continual copying/printing at the maximum level can result in reduced performance and a shorter overall life.



## ■ Overview of Product features

Improved points and new/upgraded features **are highlighted in RED**, compared to MX-M450/350.

### High Productivity

- Productive print/copy speed: 50/45/36/28ppm
- **Scanning at up to 70opm** (N model except for MX-M283N) (colour and mono: 200dpi)
- **Scanning at up to 50opm** (U model: mono: 200dpi) (MX-283N: colour and mono: 200dpi)
- **Stamp unit for tracking scanned documents**
- **FCOT:**
  - **4.6sec** (MX-M363/283)
  - **3.9sec** (MX-M503/453)
- **Warm-up time: 20sec**
- Multi-function ready (Copy, Print, Scan)
- Tandem copy/print
- **Gigabit Ethernet Support**
- **Scan to/print from USB**

### High Image Quality

- **1200 x 1200dpi printing/copy\*<sup>1</sup>** (N model)
- Clear and stable reproduction

### Paper Handling

- 2x 500 sheets cassettes (Std)
- 100 sheets bypass (Std)
- Max. 5,600 sheets
- **Trays can use 60-209gsm paper**
- **Bypass can use 56-209gsm paper**
- **Duplex can use 60-209gsm paper**
- **100 sheets DSPF** (N model except for MX-M283N)
- **100 sheets RSPF** (U model and MX-M283N)

### Environmentally Friendly

- Space saving design
- Energy saving mode (Pre-heat, Auto shut-off)
- **Reduce power consumption by 52.8%** compared to MX-M450N.
- **Reduce power consumption by 58.7%** compared to MX-M350N.
- Conforms to RoHS, WEEE directive
- Nordic swan
- New Energy Star

### Easy to Use

- Compact Design
- **8.5" colour LCD touch screen with thumbnail images and fully Sharp OSA customisable** (N model)
- Consistent GUI
- Web page access and control
- **Preview** (N model only)
- **Remote operation panel**

### Secure Data Handling

- Network Firewall (IP/Mac Filtering)
- Encrypted network packet (SSL and IP sec)
- Network Authentication (log-in)
- Encrypted PDF support
- Data Encryption & Erasing (overwriting) (optional Data Security Kit)
- Common Criteria DSK option (available at a later date)
- **IEEE802.1X Support**
- **Access control by Active Directory/LDAP**
- **Watermark** (Copy, Print)



### Efficient Utilities Software

- Document management software – Sharpdesk (1 License Std for N models)
- Network Scanner tool (Std)
- PC-Fax driver
- Printer Status monitor (Std)
- Printer Administration Utility (Std)
- Sharp Open Systems Architecture 3.2(Opt)

### Expandability\*<sup>3</sup>

- Super G3 Fax\*<sup>4</sup>
- Internet-Fax (**Direct SMTP support**)
- Postscript PDL
- **XPS expansion kit**
- Additional Sharpdesk license
- Network Scan – Email, FTP, SMB, Desktop
- **Integrated keyboard** (Opt for N model only)
- **Enhanced compression kit** (N model only)

### Document Filing\*<sup>2</sup>

- **Colour and grayscale scanned data can be stored** (N model only)
- **80GB HDD**
- All data (Copy, Print, Scan) can be stored.
- File server capabilities
- Customisable with private folders
- PIN protection available
- Easy to Re-copy/Re-print/Re-send

### Various Finishing

- 400 sheets tray with **offset stacking** (Std)
- 100 sheets exit tray (Opt)
- Inner Finisher with staple and hole punch (Opt)
- Saddle stitch finisher for booklet creation (Opt)
- **4000-sheet high capacity staple finisher** (Opt)

\*<sup>1</sup> In the case of Copy, only when you choose Text/Printed Photo, Printed Photo, or Photo mode on the resolution setting, you can produce 1200dpi copy.

\*<sup>2</sup> U models need MX-PB11. \*<sup>3</sup> All features are optional except for scanning of N model.

\*<sup>4</sup> Some options may not be available in some areas.



## **SALES APPROACH**

The new MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N were designed around the following concepts to provide efficiency in the office and to improve your business:



### **MAXIMISING YOUR BUSINESS EFFICIENCY**

- **New Exterior Design**  
The new styling on the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N will fit into the most modern offices.
- **Image Quality**  
True 1200x1200dpi resolution printing/ copying lends a new edge of professionalism to every document you produce. (N model only)
- **Usability**  
Improvements in the User Interface mean the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N are as easy to use as possible, saving you time and making it easy to get what you need from them.
- **Productivity**  
Several features make the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N extremely productive, helping you maintain office efficiency.
- **Office Integration**  
The latest version of Sharp Open Systems Architecture (OSA) makes it simple to integrate your MFP into your existing office infrastructure, therefore streamlining your office operations.
- **Connectivity**  
The MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N can be used in almost any office environment, ensure seamless compatibility with your existing office infrastructure.
- **Input & Output Flexibility**  
You can create a wide range of formatted documents, from simple stapling to posters and saddle-stitched booklets. And with a large paper capacity you don't have to refill the paper cassettes.
- **Save Money**  
The MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N help you save money in several ways.
- **Security**  
Your MFP can process a lot of information, much of which is likely to be sensitive information. The MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N have several security features as standard, but by adding our industry-leading Data Security Kit (DSK) all data it processes can be almost totally secure.
- **Environment**  
The MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N have been designed with the environment in mind. There are several features that help your company go 'green'.



## MX-M503N/U 453N/U MX-M363N/U 283N SALES GUIDE



### ■ Key Features

#### ■ New Design

With its smart grey and black highlighting and 'grained' texture, the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N have been designed to fit into the most modern and stylish offices.



The new style of control panel adds to the modern, smart look and feel of the device.

- The black panel colour compliments the black and grey highlights of the main machine.
- Silver highlights around the button not only look good, but help define the size and shape of the button itself.
- The LCD panel can be customised with different background colours. The default background colour is black. (N model only)



## ■ Image Quality

### High Resolution Printing/ Copying

The more dots an MFP can lay down per inch (DPI), the more defined & refined the resulting image will be. The more refined the image, the more impressive the final document will look.

The new MX-M503N, MX-M453N, MX-M363N, and MX-M283N can print and copy data in true 1200x1200dpi.

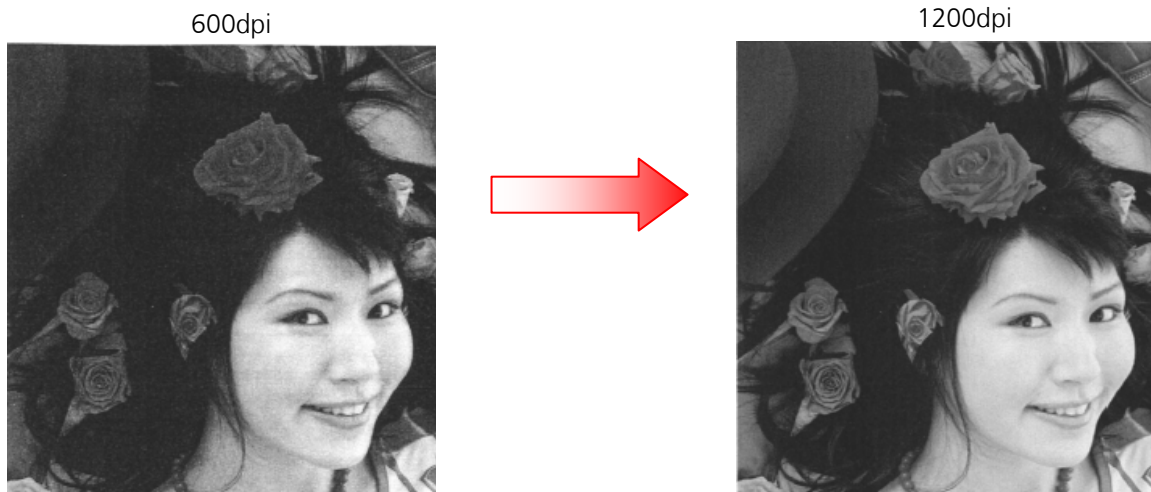
Copy:

- Photo mode (1200dpi) produces finer and smoother image than 600dpi.
- MX-M503N, MX-M453N, MX-M363N, and MX-M283N can make copy data at the same speed as in the case of 600dpi.

Note:

1. In the case of Copy, only when users choose Text/Printed Photo, Printed Photo, or Photo mode on the resolution setting, they can produce 1200dpi copy.
2. Although 1200dpi mode produces clear photo, those modes may produce jaggy characters.

Copy Example: 1200dpi produces clearer hat and hair than that at 600dpi.



Print:

1. Lines and characters are reproduced more clearly in higher resolution, resulting in better defined characters on the page, meaning a higher quality and therefore a more impressive document.



**MX-M503N/U 453N/U  
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2. 1200dpi printing can express rich gradation.  
600dpi

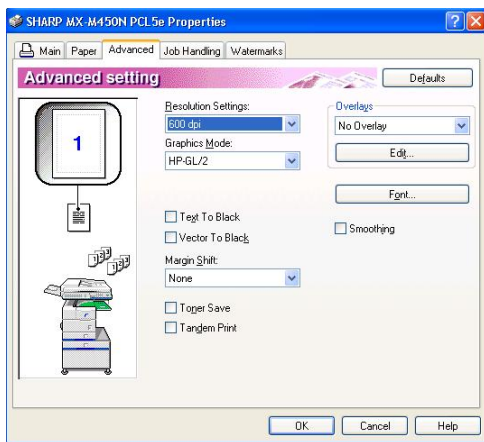


1200dpi

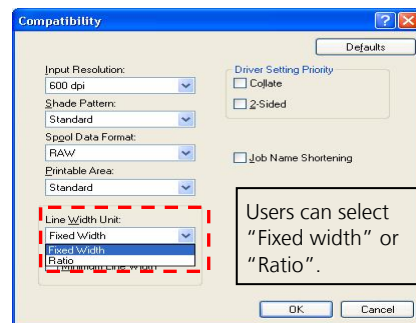
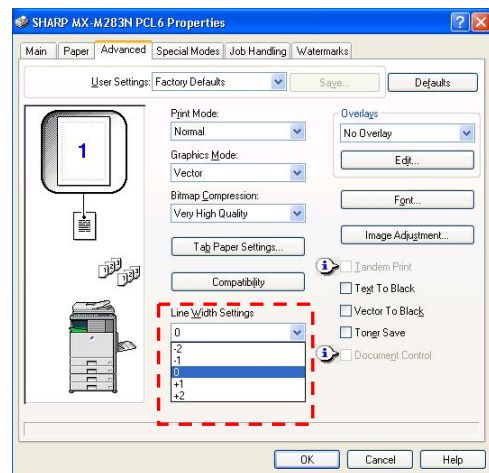


3. Users can easily adjust the line of width at the printer driver.  
Printer Driver Image:

MX-M450N/350N



MX-M503N/453N/363N/283N





**New Improved Developer and Toner**

The developer and toner used in the MX-M503N/U MX-M453N/U, MX-M363N/U, and MX-M283N series have been enhanced compared to that of the MX-M450N/U and MX-M350N/U series.

This new developer helps improve the image quality through smoother distribution of the toner on the paper. As a result, dots, fine lines & characters are better reproduced, and texture is less granulated.

MX-M450/350 series (600dpi)



MX-M503/453/363/283 series





■ **Usability**

Generally, the more complicated and technologically capable a device is, the more complicated it is to use. The ramifications of this for the MFP market include:

- User frustration
- Training
- Users not understanding the capabilities of the MFP, therefore not getting the best out of it
- Lost clicks

The MX-M503N, MX-M453N, MX-M363N, and MX-M283N models include a fully customisable 8.5" colour LCD touch panel.



- Access to all functions is clear and easy
- Current job settings are visible at all times
- Access to the job change menus is clearly marked
- Current job and device status means it is easy to both manage and administer the MFP

Whilst the operation of the MX-M503N, MX-M453N, MX-M363N, and MX-M283N has been based on previous models as far as possible (if you can use one Sharp device, you can use these) there have been some updates designed to make them as easy as possible to use.

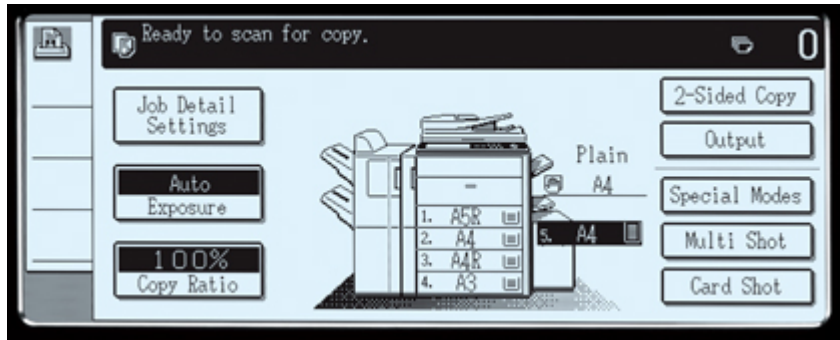




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The U models have a more basic control panel, although this doesn't make it any harder to use. The screen is slightly smaller, at 8.1" and is a mono design, however it is still a touch-screen unit offering quick and easy operability.



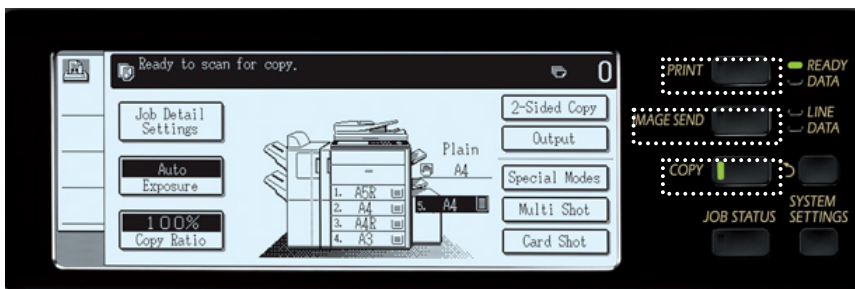
**Home Screen (N model only)**

By pressing the 'Home' button, the user is given a basic screen that allows them to start from scratch. This screen can be customised for each user, making it easy and quick for them to access regularly used functionality.

- Quick to clear previous user's settings
- Fast access to your own preferences
- Starting point for users to create their own jobs

Home

The MX-M503U, MX-M453U, and MX-M363U do not have the home screen function. Instead they have an additional button that will take the user to set of options available for the current function.



U model without HDD



U model with opt HDD



# MX-M503N/U 453N/U MX-M363N/U 283N SALES GUIDE



## Image Preview (Copy/ Image Send) New! (N model only)

In addition to in the case of Document Filing and Fax receiving MX-M503N, MX-M453N, MX-M363N, and MX-M283N can preview an image before copying data, sending data to someone, and/or storing data to storage including the USB memory.

Copy: You can check the front and back page of the document. Not only output image, you can also check the finish image such as staple or punch by pressing the "Display Output" button. You can also display the setting contents by list and reset each special mode and/or finishing, too.

Image Send (Fax send/ Scan including USB memory): You can check the front and back page of the document and position of the header.

You can prevent copy mistake, finishing mistake, or scanning mistake by checking the preview before doing the process.



## Image Preview (Document Filing) (N model only)

Managing the data stored using the Document Filing function on the MX-M503N, MX-M453N, MX-M363N, and MX-M283N has become much easier.

- The first page of the stored file is saved as a thumbnail
- Those thumbnails can be checked on the LCD panel by the user
- It is easy to browse a folder, and choose the required file based on its contents, not just the file name
- Waste print-outs are reduced, saving money & the environment



Front Panel



Web page (Home page)

## Image Preview (Fax) (N model only)

Before printing out received faxes, it is possible to preview them on the LCD panel of the MFP.

Junk faxes can be filtered at the MFP, resulting in less waste paper, saving both money and the environment.





### Remote Front Panel

The control panel for most MFPs is fixed, making it difficult for some people to use the MFP. To combat this, Sharp has developed the Remote Front Panel that shows the full operation panel on a PC as is on the MFP, making it easy to control remotely. Through Remote Access Interface, service helpdesk or disabled user can connect with MFP.

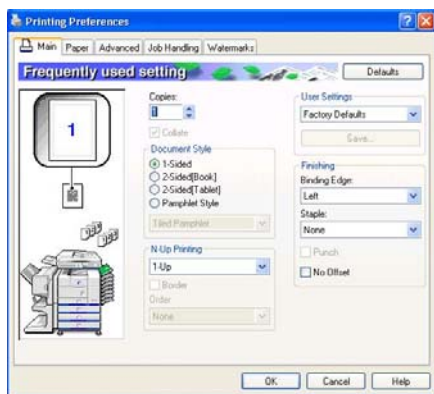
Remarks: It is necessary to install the remote software to users' PC. (Recommended VNC Software: RealVNC, TinyVNC, PAU Ver5 )



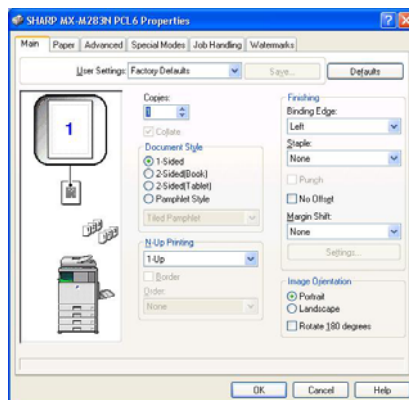
Other uses include:

- Helpdesk support – help a user navigate using Remote Front Panel, so no need to visit the MFP
- Remote Administration – for example, an admin at a company HQ does not need to visit the branch office to manage the MFP
- Sharp OSA developers can support their software remotely

### Common Drivers



MX-M450/350U/N



MX-M503/453/363/283U/N

Sharp uses a standardised and simple driver design, which means that

- If you can use one Sharp printer, you can use any other Sharp printers
- Only one driver disk is needed to install drivers for any of our monochrome range, making drivers easy to manage



### Retractable Keyboard (N model only)

Data input is becoming a necessity on the front panel of MFPs:

- Email addresses
- Email titles & main messages
- Specifying file names for scans
- Meta data for document management functionality
- Working with Sharp OSA programs



The new integrated retractable keyboard means that data entry is both fast and easy, and the keyboard can be safely retracted when not in use.

### USB Interface (U model requires MX-PB11.)

An easy to access USB port allows users to scan important documents directly onto their USB memory drive, or to print documents directly from their USB memory. Compatible file formats include:

- PDF (with MX-PKX1 installed)
- Encrypted PDF (with MX-PKX1 installed)
- XPS (with MX-PUX1 installed)
- JPG (N model only)
- TIFF

Users can select which interface to use: "Operation panel" or "rear side of MFP".

Customers can choose the place where they can easily operate according to their usage.

For example, customers who often use the USB memory scan choose "operation panel" and customers who use the USB Hub or card reader choose "rear side of MFP".

Note: Users can only use one USB port. (The port is exclusive.) They are switched by the DIP switch. The default USB port is "operation panel".

Current MFP



Only one place (Rear side of MFP)

New MFP



Two places (Choose from Rear side of MFP or Operation Panel.)



■ **Productivity**

Not only are the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N incredibly easy to use, they are also very efficient – helping you to achieve the best productivity possible from your MFP.



- **Fast scanning speed and colour scanning supported**  
The MX-M503N, MX-M453N, and MX-M363N can scan at speeds of up to 70opm (with DSPF: 200dpi) in both colour and mono. The MX-M503U, MX-M453U, MX-M363U, and MX-M283N can scan at speeds of up to 50opm (with RSPF: 200dpi) in both colour (MX-M283N only) and mono. No waiting next to the machine for your originals to complete scanning!  
Note: Although N models support colour scanning, they don't support the Auto Colour Selection and the Auto Colour mode that clearly reproduces each component such as texts or photos clearly and that suppresses background automatically.
- Combine this with the fast warm-up time of up to 20 seconds\*<sup>1</sup>, and fast first copy out times (4.6s: MX-M363N/U and MX-M283N, 3.9s: MX-M503N/U and MX-M453N/U)\*<sup>2</sup> and you can see that everything has been designed with efficiency in mind.

\*<sup>1</sup> At rated voltage. May vary depending on machine conditions and operating environment.

\*<sup>2</sup> Best achieved time based on A4 copy, long-edge feeding from 1<sup>st</sup> paper drawer, using document glass, when machine is ready. May vary depending on machine conditions and operating environment.

- **Gigabit Ethernet (1000Base-T)**  
As well as scanning and output speed, the speed of the network connection has also been improved with the addition of Gigabit Ethernet – so your print jobs will reach the MFP faster, and your scan jobs will be sent much more quickly as well.
- **Tandem Print & Copy**  
If you have a particularly urgent job, and 50ppm isn't fast enough, you can combine the output speed of 2 MFPs to output a single job, doubling your output speed of up to 100ppm. To execute tandem print & copy, users have to use same configuration machines. (U model has to be equipped HDD.)



- **Direct SMTP**  
When using Internet Fax, if both the sending and receiving machine are capable of operating by Direct SMTP, the Fax can be transmitted without going through the mail server. This eliminates a potential bottle neck, and since the Fax is transmitted directly, it takes less time to arrive.
- **Fax Inbound routing (N model and U model with HDD) & preview (N model only)**  
When you receive a fax, it can either be printed out immediately, forwarded on to a user, who can decide whether it should be printed at their own PC, or it can be stored on your MFP and previewed on the LCD panel, ensuring that junk faxes are not printed, saving your time and money.



- **Stamp Unit**  
Users may wish to have evidence that all of their documents have been scanned without any problems. (e.g in case of important fax sending, or paper document digitalisation) The stamp unit allows users to check which documents have already been scanned, and in case of a duplex original, the marks are stamped twice on the front side of the document.



## ■ Connectivity

There are so many different environments and systems in use in today's office that an MFP needs to be compatible with as many as possible.

The MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N have been developed with this in mind.



Sharp is a founder member of the **SAP Printer Vendor Program**. SAP device types for all of our devices will be created to provide connectivity with SAP.



WHQL (Windows Hardware Quality Labs) testing ensure full compatibility with Windows systems.



Sharp is a Citrix Technology Partner, giving us access to testing resources, technical support and other Citrix development tools.

Compatibility with the CUPS (Common Unix Printing System) ensures you can use your MFP with both Unix and Linux.

And not only can our devices work with all these software vendors, the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N can communicate with them exceptionally quickly over the latest networking technologies:

- Standard Gigabit Ethernet (1000Base-T)
- IPv6



**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



**Microsoft XPS**

The MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N are compatible with the latest formats, including Microsoft XPS.

**What is XPS?**

XPS (XML Paper Specification) is a new file format from Microsoft intended for published documents, where once published, the document cannot be changed. It is similar in function to Adobe PDF.

XPS is important because compatibility is built into Vista, the latest version of Windows, (separate downloads are available for previous versions) therefore it will be usable for a lot of people in the near future.

**Benefits over PDF file format**







- All fonts are embedded in the document
- Colour handling has been improved, with support for systems such as ICC profiling
- Support for a wider gamut of colours
- Compatibility with Microsoft's DRM software (RMS / Rights Management Software), which in turn is supported by Microsoft SharePoint.

**Printing XPS files**

It is possible to print XPS files using PCL drivers, but it is not ideal. When printing via PCL, the data is effectively converted into a Bitmap, which affects gradation and transparency settings within the data.

**File Formats**

The MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N are compatible with a wide variety of document file formats:

	Direct Print*	Monochrome Scan	Colour Scan
 Microsoft XPS	Opt**	✓	✓ (N model only)
 PDF	Opt***	✓	✓ (N model only)
 Encrypted PDF	Opt*** (N model and U model with HDD)	✓	✓ ( N model only)
 Compact PDF	Opt*** ( N model only)	-	Opt**** ( N model only)
 JPEG	✓	-	✓ (N model only)
 TIFF	✓	✓	✓ (N model only)

\* In the case of direct print, U model requires MX-PB10 or MX-PB11.  
In the case of USB direct print, U model requires MX-PB11 (HDD).  
\*\* MX-PUX1 expansion kit and MX-SMX3 (expansion memory board) are required.  
\*\*\* MX-PKX1 is required  
\*\*\*\* MX-EBX3 required.



# MX-M503N/U 453N/U MX-M363N/U 283N SALES GUIDE

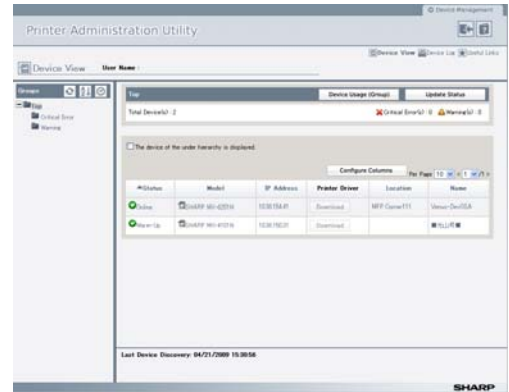


## PAU 5

Sharp Printer Administration Utility (PAU) 5 is the latest version of Sharp's own web-based administration utility. It will allow administrators to manage their fleet of MFPs quickly and easily, without having to physically visit the MFP.

PAU 5 introduces several new features over PAU 4, including:

- Firmware download
- Remote Operation
- Device Usage Export (CSV)
- Device Cloning
- Service Reports



Other improvements include:

- New user interface
- Tree navigation structure
- Local Authentication database
- Three user types (Service, Advanced, General), with varying permissions

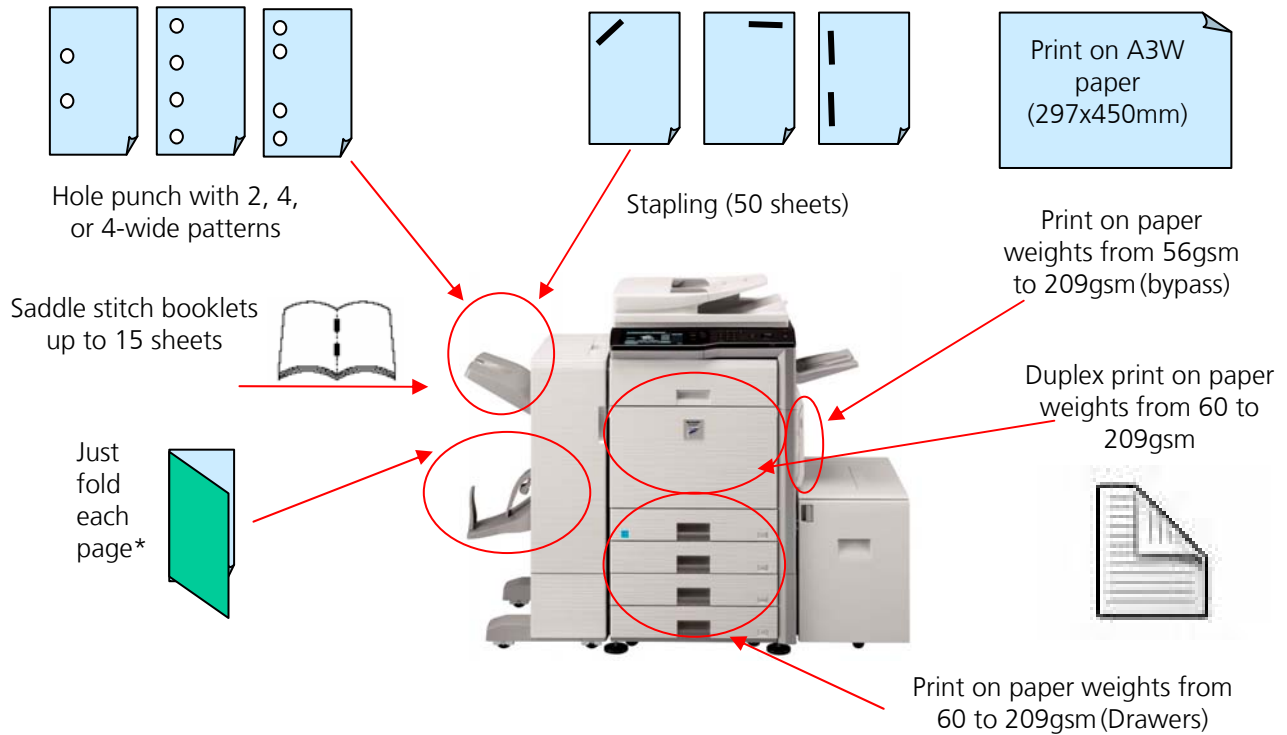
Function	Service User	Advanced User	General User
System Settings Cloning	Yes	Yes	No
Service Reports	Yes	No	No
Firmware Download	Yes	No	No
Remote Operation	Yes*	Yes*	No
PAU System Configure	Yes	Yes	No
Driver Download	Yes	Yes	Yes
Driver Registration	Yes	Yes	No
Device View	Yes	Yes	Yes
Device Discovery	Yes	Yes	No
Service Alert	Yes	Yes	No
Device Usage Export	Yes	Yes	Yes

\*) The Remote Operation feature will allow user to across depending on the system settings for the Remote Operation at the MFP side.

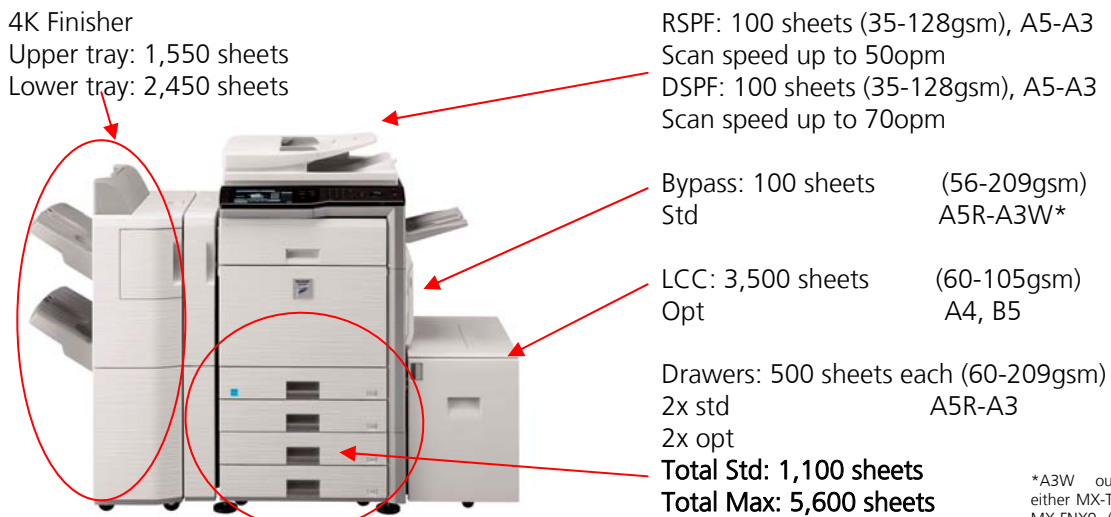


■ **Input & Output Flexibility**

More and more offices are choosing to create as many documents as possible in-house. This means that an office MFP has to be able to produce a wide variety of documents in different formats and styles.



\* It is possible to fold a single sheet of paper without stapling. This is particularly useful for leaflets, and for areas where postage costs are determined by package size.



\*A3W output requires either MX-TRX2 (exit tray), MX-FNX9 (inner finisher), MX-FN10 (saddle finisher), or MX-FN11 (4K finisher)

Thanks to this flexibility in finishing options, plus excellent output quality, the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N can be used for many types of document, from reports and records to booklets & training materials, not to mention leaflets, mail drops or posters.

Note: Punch module can punch 56g/m<sup>2</sup>-209g/m<sup>2</sup> paper. But in case of paper over 129g/m<sup>2</sup> with punch module for an inner finisher or saddle

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



finisher, the punch hole may not be a perfect circle.

**Finishing Options**



	No finisher attached, Op. exit tray installed	MX-FNX9 Inner finisher Op. exit tray installed	MX-FN10 Saddle finisher Op. exit tray installed	MX-FN11 finisher Op. exit tray installed
<b>Output Capacity</b>	400 sheets (centre) 100 sheets (exit tray) TTL: 500 sheets	500 sheets (inner finisher) 100 sheets (exit tray) TTL: 600 sheets	1,000 sheets (finisher) 100 sheets (exit tray) TTL: 1,100 sheets	4,000 sheets (finisher) 100 sheets (exit tray) TTL: 4,100 sheets
<b>Staple capacity</b>	N/A	50 sheets (A4) 30 sheets (A3)	50 sheets (A4) 25 sheets (A3)	50 sheets (A4) 30 sheets (A3)
<b>Saddle Stitch Capacity</b>	N/A	N/A	15 sheets	N/A
<b>Hole Punching</b>	No	Opt	Opt	Opt

**Improvements Compared to MX-M450N/U and MX-M350N/U Finishing**

	AR-FN7 (Old)	MX-FN10 (Current)	MX-FN11 (Current)
Stack	1,000 sheets	1,000 sheets	4,000 sheets
Stapling Capacity	50 sheets (A4) 25 sheets (A3)	50 sheets (A4) 25 sheets (A3)	50 sheets (A4) 30 sheets (A3)
Saddle Stitch	10 sheets	15 sheets	N/A
Bi-folding	N/A	Yes	N/A

The finisher for MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283 is same as for MX-5000/01N, and MX-M4100/01N.

# MX-M503N/U 453N/U MX-M363N/U 283N SALES GUIDE



## ■ Save Money

All companies are interested in ways to save money – so how can the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N help?

### Duplex Printing

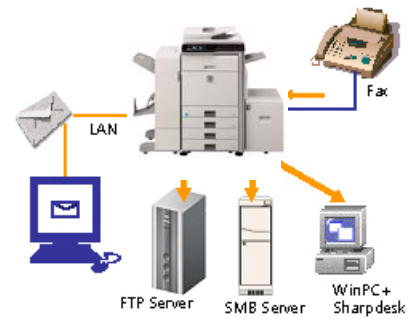
The MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N come with duplex as standard. By printing and copying as many documents as possible on both sides of the paper, your paper purchasing costs could be halved.



### Fax Management (All models require MX-FXX2. U models further require MX-PB11.)

With the advanced Fax management functions of the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N, you need never print a fax again, whether receiving or sending.

Inbound routing - Incoming faxes are sent via email to a specified recipient or sent as tiff or PDF data to servers/PCs at the specified time. Users can set the transfer schedule. Therefore, system works efficiently and, so only required faxes need be printed, and junk faxes are not printed.



PC-Fax - Fax electronic documents direct from your PC – no need to print them first.

Fax Thumbnail also enables incoming faxes to be previewed prior to printing. (N model only)

Of course, if you do need to print out a fax, you can always print it duplex!

### Save Electricity, Save the Environment

The MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N can be set to go into power save mode after a set period of inactivity.

In addition to this, there is a power-save button which, when pressed, forces the MFP into power save mode immediately.

### N model



### U model

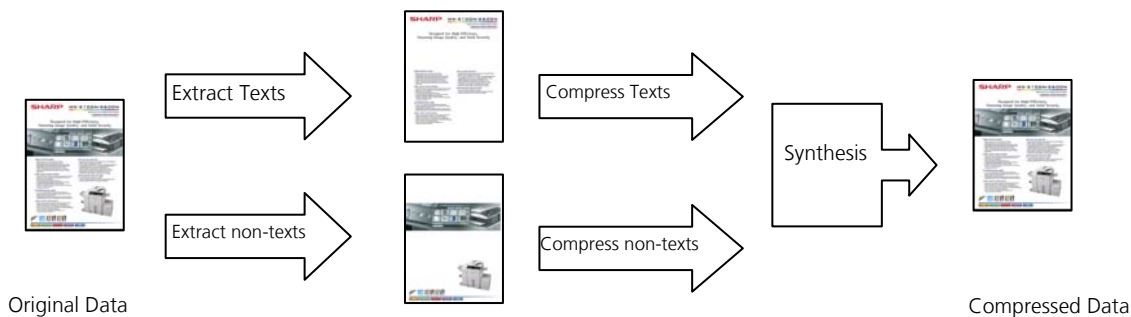




**Compact PDF (N model only: MX-EBX3 required.)**

The MX-M503N, MX-M453N, MX-M363N, and MX-M283N support compact PDF. The models create light and high image quality PDF file by excellent character detection and well-balanced colour reproduction. The compressed data size is about a tenth of the data size scanned without this feature. And compression speed in the case of normal mode is much faster than that of current competitors' MFPs.

Note: File size and/or compression speed varies depending on documents.



Outline of Compact PDF

 Conventional Push Medium Compression (Input: 600x300dpi Output: 200x200dpi)	1/10	 New (Normal mode) Compact PDF (Input: 600x300dpi Output: 300x300dpi (text) 150x150dpi (background))	 New (Ultra Fine mode) Compact PDF (Input: 600x600dpi Output: 300x300dpi (text) 150x150dpi (background))
---	------	--	--



There are two options, normal and u-fine for compression setting. If users check "Compact" only, the data is highly compressed. If users check both "Compact" and "U-Fine", the compressed file size is slightly bigger than the file produced when users check "Compact" only. Users can use both "Compact PDF" and "Encrypted PDF" simultaneously.

**Benefits**

- Any storage such as MFP HDD or USB memory can be used effectively.
- Burden on the network is reduced.
- The compressed data can be sent in a short time.



■ **Security**

Most IT departments are aware of the security issues of their networks, and take appropriate measures to protect data stored on their systems.

But how many are aware of the dangers posed by an MFP?

Most MFPs fitted with a hard drive can automatically store copies of any jobs it processes on its hard drive, whether they be print, copy, scan or fax jobs and they can stay on the MFP's HDD for years.

How many sensitive and confidential documents pass through your MFP?

- Financial data
- Business documentation
- Tenders
- Product specifications
- Employment data
- The list is endless



**Now imagine this data was unsecured.**

The MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N employ Sharp's unsurpassed expertise in security to ensure your data remains safe – whoever has access to your MFP:

- **Secure data during communications with the MFP**
  - HTTPS / SSL / IPsec network data encryption
  - IP / MAC address filtering
- **Secure data stored on the MFP**
  - Encrypt data during processing
  - Overwrite data on HDD once processing is complete
  - Encrypt the HDD
  - Automatically delete files after a set period
- **Secure data once it leaves the MFP**
  - PIN printing
  - Document control
  - Encrypted PDF support



**Watermark**

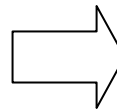
The MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N (U model with HDD) can overlay watermark image embedded in the MFP when users make a copy.

ABDCEISLASDAPS  
LSEFJMKLKSQAE  
UCZKMESEIURLCI  
EOLAJKAEIDFFGL  
ASDFEYFKZMSLO  
DJSGELSKAJEHSN

Original

**CONFIDENTIAL**

Watermark



ABDCEISLASDAPS  
LSEFJMKLKSQAE  
UCZKMESEIURLCI  
EOLAJKAEIDFFGL  
ASDFEYFKZMSLO  
DJSGELSKAJEHSN

Result

	Conventional Models MX-M450U/N MX-M350U/N	New Models MX-M503N/U MX-M453N/U MX-M363N/U MX-M283N (U model with HDD)
Copy	No	<b>Yes</b>
Print	Yes	Yes

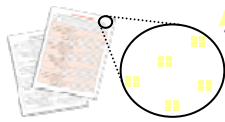




**Output by the MFP**

Scanned documents can be scanned in **Encrypted PDF** format, meaning a password must be entered before the document can be opened.

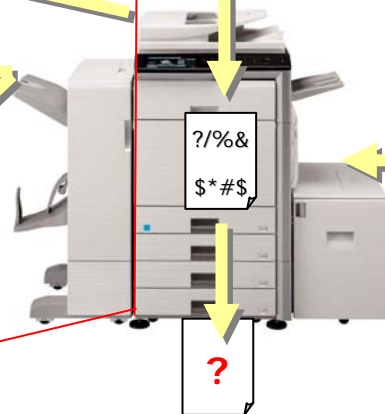
**PIN Printing** means that no printouts are left lying on the MFP, as the user must enter a PIN before the document is printed.



**Document Control** means that any document output with DC patterns cannot then be printed or scanned by another Sharp MFP with DC installed.\*\* (N model only)

**On the MFP**

Data on the HDD (and being processed) can be **encrypted.\*\***

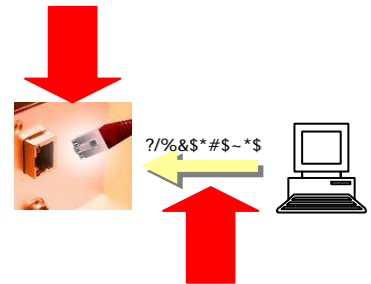


Files stored on the HDD can be automatically deleted on a regular basis.

Once processed, data can be **overwritten** with random data.\*\*

**Input to the MFP**

**IP & MAC address filtering** restricts access to the MFP over the network.



**SSL / IPsec encryption** protects communication over the network.

\*\* Optional Data Security Kit required.

**IEEE802.1X**

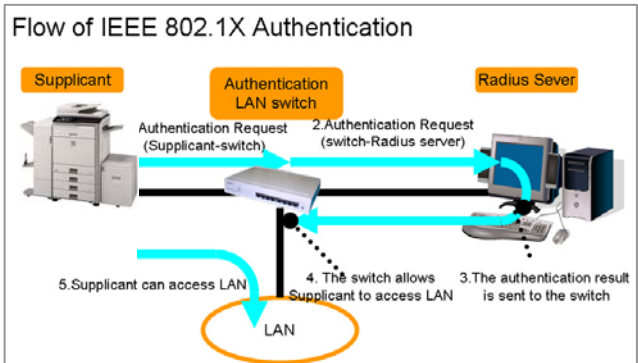
IEEE802.1X is a LAN standard established by the IEEE 802 committee. It is a technology used to authenticate hardware connected to the network, therefore its main function is to prevent unauthorized machines from gaining access to your network.

The MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N support IEEE802.1X, maintaining the high level of security your network requires.

There are broadly three techniques for preventing unauthorized access to your network.

1. Authentication on your LAN switches
2. DHCP server system
3. Personal firewall system

Among the above, type 1 uses IEEE802.1X. By preventing unauthorized access at the network hardware level (rather than at the server or computer level), IEEE802.1X is seen as providing a higher level of security, and it is often used at major companies or public offices.







■ **Office Integration**

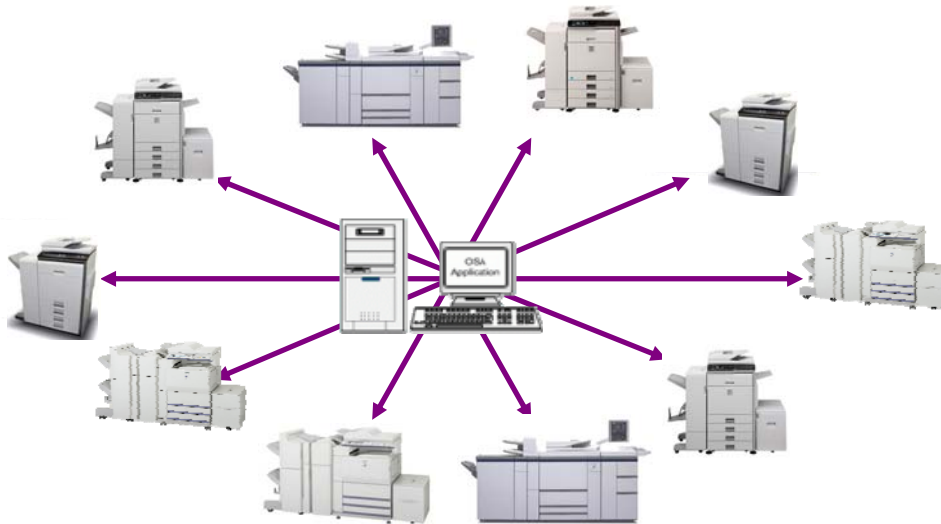
The trend towards office automation is clear. Customers want to make their offices as efficient as possible, including their document output infrastructure.

There is a demand for document solutions that can be integrated with either new or existing solutions, for archiving, document workflow, accounting or scanning.

Sharp Open Systems Architecture is perfect for the job!



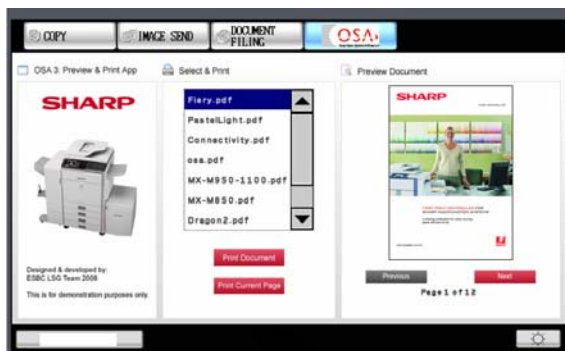
Sharp OSA makes it possible for third-party software developers to create custom applications that link the MFP to software programs on a server or PC, giving you the ability to create your own solutions specific to your own needs.



The launch of the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N also marks the launch of the latest version of Sharp OSA (3.0 and 3.2), which makes it even easier to customise your MFP and integrate it into your office workflow.

Sharp OSA 3.0 supports following.

- A fully customizable User Interface (UI)
- Code description is based on standard HTML – a UI can be created with general coding skills
- Standard expansion technologies can be easily supported (such as Ajax, CSS & Flash)
- An existing Partner program, with many large developers already working with Sharp OSA means that the right integrated solution could already be available.



**Ajax:** A group of interrelated web development techniques used for creating interactive web applications or rich Internet applications. With Ajax, web applications can retrieve data from the server asynchronously in the background without interfering with the display and behavior of the existing page.

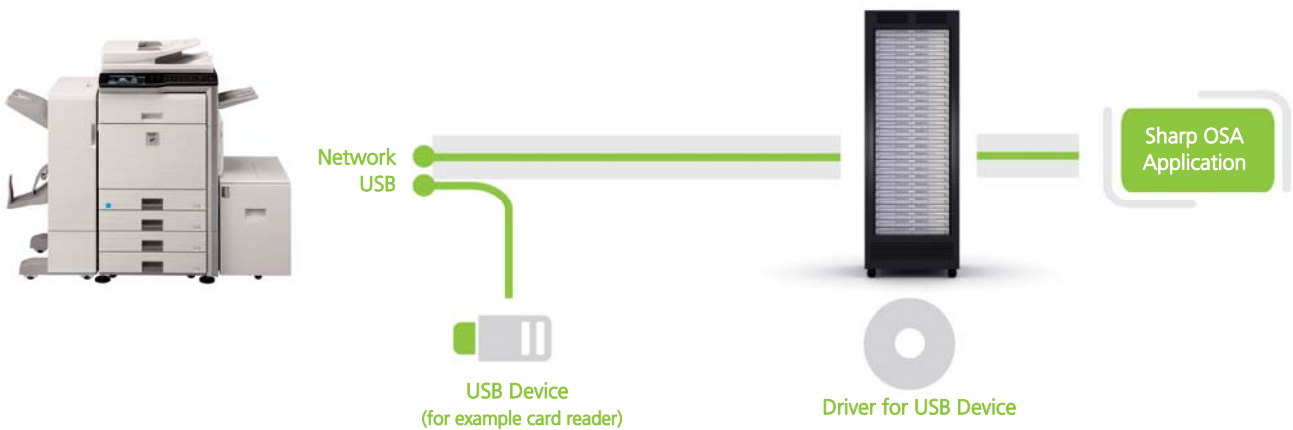
**CSS:** A stylesheet language used to describe the presentation of a document written in a markup language. Its most common application is to style web pages written in HTML and XHTML.

**Flash:** A set of multimedia technologies. Flash technology has become a popular method for adding animation and interactivity to web pages.



Features of Sharp OSA 3.0 include:

- USB device expansion  
USB devices that are not supported by the MFP itself can be used in Sharp OSA mode, using the Windows drivers installed on the Sharp OSA server.



- Trial Mode  
In order to allow a customer to assess Sharp OSA solution, a trial mode can be set up, which allows full functionality for a limited period. On the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N, this limit has been set at total 19,000 pages. (scanned/ printed/ sent)
- Job Build Mode  
The function where a particularly large original can be split into sections for scanning (if the number of pages in the document exceeds the capacity of the document feeder) can now be used in Sharp OSA solutions.
- Sending Data via HTTP / SMB  
Previous versions of Sharp OSA were limited to the FTP protocol for the transmission of data, but many Administrators don't like FTP to be used on their networks. Sharp OSA 3.0 can also transmit data using the HTTP and SMB protocols, making it suitable for almost all environments.



This allows for more simple control, for example using the same security setting used for web browsing (HTTP).





Additional features of Sharp OSA 3.2 include:

- **Single Sign-On**  
User authentication information used at the external authentication application can be hold in the MFP at the time of login. In addition to login name, user name, and email address, a maximum of 10 parameters can be set within Sharp OSA application.
- **Pages per File Support**  
The past Sharp OSA doesn't support this feature, so the scanned document including n pages becomes one file and it is sent to destination. On Sharp OSA 3.2, users can specify number of pages that can include into one file.
- **Notice to application of MFP Configuration**  
More detailed information is possible with Sharp OSA 3.2.
- **Auto Clear Control API**  
Sharp OSA 3.2 prevents the execution of the "Auto clear" feature accidentally.
- **Home Screen Customisation**  
Sharp OSA application shortcut key (maximum of 4 applications) can be displayed on the Home screen.



## ■ Environment

### Environmental regulations

- **RoHS**  
A European directive, on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
- **WEEE**  
Waste Electrical and Electronic Equipment regulations aimed at reducing the amount of waste going to landfill and improving recovery and recycling rates.
- **Energy Star**  
Energy Star is a label for energy efficient products with worldwide recognition. The Energy Star programme was introduced to Europe in 2002 as a voluntary label for computers, monitors, printers, fax machines, scanners, copiers and multifunctional machines. New specifications were introduced in 2007 which ensure that the Energy Star represents only the markets most energy efficient products.  

- **Nordic Swan**  
The Swan is the official Nordic eco-label which demonstrates that a product is a good environmental choice. The Swan checks that products fulfill certain criteria including power consumption, materials used, emissions and performance properties. The label is usually valid for 3 years. The MX series is designed with the environment in mind and based on Sharp's policy of becoming a totally environmentally friendly company.  

- **Common platform**  
The MX series has been developed with "Common platform" concept, which utilises common mechanical parts, boards, consumables, software and controllers as much as possible. This fact is important for the overall company's activities such as stock management, production, logistics, technical training, etc. This means less power is required to sustain the company's activities and total energy consumption is reduced, as everything is Sharp.
- **Recyclable plastic**  
The material name and characteristics are mentioned on all plastic parts and cabinet for recycling. Also labels for caution or operation are reduced as much as possible and instead of these messages are now embossed on plastic.

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ Comparison between MX-M450/350N/U Vs MX-M503/453/363U Vs  
MX-M503/453/363/283N



Model Name		MX-M450 N/U MX-M350 N/U	MX-M503/453/363U	MX-M503/453/363/283N
New Styling		No	Yes	Yes
LCD Panel		Mono, 8.9" H-VGA(640x240)	Mono, 8.1" H-VGA(640x240)	Full colour, 8.5" W-VGA(800x480) (Preview can be displayed)
Integrated Keyboard		Part of touch panel	Part of touch panel	Integrated, retractable
Document Feeder/ capacity		DSPF/ 50 sheets	RSPF/ 100 sheets	DSPF/ 100 sheets RSPF/ 100 sheets
<b>Engine</b>				
Function	Copy	Std	Std	Std
	Print PCL	Std	Opt	Std
	PS	Opt	Opt	Opt
	XPS	N/A	Opt	Opt
	Scan B/W	Opt (MX-NSX1)	Opt (MX-NSX1)	Std
	Colour	N/A	N/A	Std
	Fax	Opt (AR-FX12)	Opt (MX-FXX2)	Opt (MX-FXX2)
	D/F	Std	Std (HDD required)	Std
	Home	No	No	Yes
	Sharp OSA	Opt (Ver2.0 only)	Opt (Ver2.0, 3.0, and 3.2)	Opt (Ver2.0, 3.0, and 3.2)
	Remote FP	No	Std	Std
Copy/Print Speed (ppm)		45 : 35	50 : 45 : 36	50 : 45 : 36 : 28
Scanning Speed (opm)		45	50	70 : 50
Resolution		600x600dpi (copy) 600x600dpi (printer)	600x600dpi (copy) 600x600dpi (printer)	1200x1200dpi (copy) 1200x1200dpi (printer)
Warm-up time		80sec or less	20sec or less	
Paper Weight	Desk	60g/m <sup>2</sup> -105g/m <sup>2</sup> ,	60g/m <sup>2</sup> -209g/m <sup>2</sup> ,	
	Bypass	60g/m <sup>2</sup> -128g/m <sup>2</sup> 52g/m <sup>2</sup> -59g/m <sup>2</sup> (Single Feed only)	56g/m <sup>2</sup> -209g/m <sup>2</sup>	
	Duplex	Std (60g/m <sup>2</sup> -105g/m <sup>2</sup> )	Std (60g/m <sup>2</sup> -209g/m <sup>2</sup> )	
FCOT		4.4sec : 4.9sec	3.9sec : 4.6sec	3.9sec : 4.6sec
Memory		128MB (Std) – 384MB (Max)	Copier: 320MB (Std & Max) Printer: 1GB (Std) – 2GB (Max)	Copier: 640MB (Std & Max) Printer: 1GB (Std) – 2GB (Max)
HDD		Std 40GB (N model) Opt 40GB (U model)	Opt 80GB	Std 80GB
TEC value (kW/h) (Measured value)		8.49 : 7.93	TBD : TBD : TBD	5.36 : 5.00 : 4.19 : TBD
USB access		Rear	Front or Rear	
Max paper capacity		3,100 sheets	5,600 sheets	
Ethernet		10Base-T/ 100Base-TX	10Base-T/ 100Base-TX/ 1000Base-T	

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



Model Name	MX-M450 N/U MX-M350 N/U	MX-M503/453/363U	MX-M503/453/363/283N	
<b>Options</b>				
Desk	3 Cassette type: AR-D27 2 Cassette type multi-purpose+2000-sheet type: AR-D28	1 Cassette type: MX-DEX8 2 Cassette type: MX-DEX9		
LCC	N/A	<b>MX-LCX1</b>		
Exit Tray	AR-TE3	MX-TRX2		
Saddle stitch finisher	AR-FN7	MX-FN10		
Staple	50sheets (A4)/ 25sheets (A3)	50sheets (A4)/ 25sheets (A3)		
Saddle	10 sheets	<b>15 sheets</b>		
Bi-Folding	No	<b>Yes</b>		
Inner Finisher	No	<b>MX-FNX9</b>		
4K finisher	No	<b>MX-FN11</b>		
Punch	AR-PN1	MX-PNX1 for Inner finisher MX-PNX5 for Saddle finisher MX-PNX6 for 4k finisher		
Mail bin stacker	Opt (AR-MS1)	<b>No</b>		
<b>Application of Administration/ Authentication</b>				
User Authentication	N/A	<b>Std</b> (N model and U model with HDD)		
Device Management Module	Meter read only	<b>Std</b>		
<b>Functions- additional functions only</b>				
Copy	Erase	Edge/ Centre/ Edge+Centre	Edge/ Centre/ Edge+Centre/ <b>Side</b>	
	Watermark	N/A	<b>Yes</b>	
Image Send	Scan to USB/SMB	N/A	<b>Scan to USB: Std</b> <b>Scan to SMB: Opt</b>	<b>Scan to USB: Std</b> <b>Scan to SMB: Std</b>
	Long paper transfer	mono 800mm	mono <b>1,000mm</b> (When I-fax transfer resolution 600dpi is 800mm :except for U model w/o HDD)	
	Compact PDF	N/A	N/A	<b>Opt (MX-EBX3)</b>
	Direct SMTP	N/A	<b>Opt (MX-FWX1)</b> (U model: HDD required)	
	XPS	N/A	<b>Opt (MX-PB10, MX-PUX1, and MX-SMX3)</b>	<b>Opt (MX-PUX1 and MX-SMX3)</b>
	Suppress Background (Auto)	N/A	N/A	<b>Std</b>
	SMB address selection method	Address registration on the Web page and selection from MFP	Address registration on Web page & selection from MFP <b>Direct entry fom MFP</b> <b>Directory walking (Refer/Search)</b> (U model: HDD required)	
	Original count	No	<b>Yes</b>	
Fax	Inbound Routing	Opt (AR-FX12 and MX-NSX1, or MX-FWX1) (Email only) (U model: HDD required)	Opt (MX-FXX2) (Email/ <b>FTP/SMB/Desktop</b> ) (U model: HDD required)	
Direct Print	FTP/E-mail/Web (PDF/TIFF)	FTP/E-mail/Web/ <b>SMB/USB*</b> (PDF/TIFF/JPEG/XPS/Encrypted PDF) (*U model: MX-PB10 or MX 11 required.For USB direct print PBX-PB11 (HDD) required.)		
D/F	Storage capacity	16GB (U model: HDD required)	Main folder/Custom folder: <b>38GB</b> Quick file folder: 12GB (U model: HDD required)	
	Pages that can be saved	B/W (U model: HDD required)	Grayscale, Mono2 (HDD required)	<b>Full colour,</b> Grayscale, Mono2





## COMPETITIVE COMPARISON

### Content Items and Order:

- Sharp MX-M283N Vs. Canon iR2025i
- Sharp MX-M283N Vs. Canon iR2030i
- Sharp MX-M283N Vs. Canon iR3225N
- Sharp MX-M283N Vs. Konica Minolta Bizhub 282
- Sharp MX-M283N Vs. Kyocera KM-2540
- Sharp MX-M283N Vs. Kyocera KM-2560
- Sharp MX-M283N Vs. Kyocera KM-3040
- Sharp MX-M283N Vs. Kyocera KM-3060
- Sharp MX-M283N Vs. Ricoh Aficio MP 2510
- Sharp MX-M283N Vs. Ricoh Aficio MP 3010
- Sharp MX-M283N Vs. Ricoh Aficio MP 2550B
- Sharp MX-M283N Vs. Ricoh Aficio MP 2550
- Sharp MX-M363U & MX-M363N Vs. Canon iR323
- Sharp MX-M363U & MX-M363N Vs. Canon iR3235N
- Sharp MX-M363U & MX-M363N Vs. Konica Minolta Bizhub 361
- Sharp MX-M363U & MX-M363N Vs. Konica Minolta Bizhub 362
- Sharp MX-M363U & MX-M363N Vs. Kyocera KM-4050
- Sharp MX-M363U & MX-M363N Vs. Ricoh Aficio MP 3350B
- Sharp MX-M363U & MX-M363N Vs. Ricoh Aficio MP 3350
- Sharp MX-M363U & MX-M363N Vs. Ricoh Aficio MP 3500
- Sharp MX-M363U & MX-M363N Vs. Toshiba e-Studio 353
- Sharp MX-M453U & MX-M453N Vs. Canon iR3245
- Sharp MX-M453U & MX-M453N Vs. Canon iR3245N
- Sharp MX-M453U & MX-M453N Vs. Konica Minolta Bizhub 421
- Sharp MX-M453 & MX-M453 Vs. Kyocera KM-4050
- Sharp MX-M453 & MX-M453 Vs. Ricoh Aficio MP 4000B
- Sharp MX-M453 & MX-M453 Vs. Ricoh Aficio MP 4000
- Sharp MX-M453U & MX-M453N Vs. Ricoh Aficio MP 4500
- Sharp MX-M453U & MX-M453N Vs. Toshiba e-Studio 453
- Sharp MX-M503U & MX-M503N Vs. Konica Minolta Bizhub 501
- Sharp MX-M503 & MX-M503 Vs. Kyocera KM-5050
- Sharp MX-M503 & MX-M503 Vs. Ricoh Aficio MP 5000B
- Sharp MX-M503 & MX-M503 Vs. Ricoh Aficio MP 5000

The above list is covered by one page per product vs. product comparisons in this section. The feature advantages are translated into application benefits. These points can be used to describe the sales arguments on what the strengths of the MX series are.



■ Sharp MX-M283N Vs. Canon iR2025i



Manufacturer	SHARP	Canon
Model	MX-M283N	iR2025i
Launch Date	June 2009	October 2007
Also Sold As	N/A	N/A
Multifunctionality	Std	Std
Network Printer	Std	Std
Network Scanning	Std	Std
Fax	Opt	Opt
Base Engine	Desktop	Desktop
Paper Max. Size	A3W	A3
Total Cassettes Std.	2	2
Total Cassettes Max.	5	4
Total Sheets Std.	1,100	580
Max. Paper Sheets	5,600	1,080
No of sheets (Bypass)	100	80
gsm - Tray (bypass)	209 (209)	90 (128)
Duplex (gsm)	Std (209)	Opt (90)
Warm up time (secs)	20	26
Copier	Std	Std
Copy/min. (cpm)	28	25
FCOT (secs)	4.6	6.9
Max. Original Size	A3	A3
Max. Qty. Select	999	99
Scanner Resolution	600x600	600x600
Zoom Range	25-400%	50-200%
Copier Std. Mem. MB	640mb	256mb (shared)
Copier Max. Mem. MB	640mb	256mb (shared)
HDD	Std (80Gb)	No
e-Sort	Std	Std
Account Numbers	1,000	Yes
Machine Size (WxDxH)	645x695x953	622x676x757
Job Programs	48	5

Manufacturer	SHARP	Canon
Model	MX-M283N	iR2025i
Document Feeder	Std	Std
Type	RSPF	DADF
Capacity	100	50
Network Printer	Std	Std
Print/min. (ppm)	28	25
Print Resolution	1200x1200dpi	1200x1200dpi
Confidential Print	Std	Std
XPS	Opt	No
Postscript	Opt	Opt
PCL	5e, 6 Std	5e, 6 Std
Apple	Opt	Opt
Print Std. Mem. MB	1Gb	256mb (shared)
Print Max Mem. MB	2Gb	256mb (shared)
USB	Std	Std
Gigabit Ethernet	Std	No
Fax	Opt	Opt
Super G3	Yes	Yes
JBIG Compression	Yes	Yes
i-Fax	Opt	Opt
Network Scanning	Std	Std
Type	Colour	Colour
Resolution	600x600	600dpi mono, 300dpi col
Destinations	Desktop/FTP/email/SMB/USB	Email/I-FAX/FTP/SMB/iWDM
Functionality	Sharpdesk	
Document Filing	Std	No
Finishing	Opt	Opt
Max Capacity (sheets)	4,000	1,100
Auto Stapler	Yes	Yes
Max Sheets Stapled	50	50
Offset Stacking	Yes	Yes

Advantages of Sharp MX-M283N
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Higher paper capacity (std and max)</li> <li>• More paper cassettes available</li> <li>• Larger paper support</li> <li>• Higher capacity bypass tray</li> <li>• Heavier paper support (trays, bypass, and duplex)</li> <li>• Faster warm-up time</li> <li>• Faster FCOT</li> <li>• More quantity select</li> <li>• Wider zoom range</li> <li>• More memory for both print and copy functions</li> <li>• Separate printing memory for print and copy</li> <li>• Std HDD</li> <li>• More job programs</li> <li>• Higher capacity document feeder</li> <li>• XPS printing option</li> <li>• Gigabit Ethernet as std</li> <li>• Higher resolution colour scanning</li> <li>• Scan to/print from USB</li> <li>• Document Filing</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Canon iR2025i
<ul style="list-style-type: none"> <li>• Smaller footprint</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M283N Vs. Canon iR2030i**



Manufacturer	SHARP	Canon
<b>Model</b>	<b>MX-M283N</b>	<b>iR2030i</b>
Launch Date	June 2009	October 2007
Also Sold As	N/A	N/A
<b>Multifunctionality</b>	<b>Std</b>	<b>Std</b>
Network Printer	Std	Std
Network Scanning	Std	Std
Fax	Opt	Opt
Base Engine	Desktop	Desktop
Paper Max. Size	A3W	A3
Total Cassettes Std.	2	2
Total Cassettes Max.	5	4
Total Sheets Std.	1,100	580
Max. Paper Sheets	5,600	1,080
No of sheets (Bypass)	100	80
gsm - Tray (bypass)	209 (209)	90 (128)
Duplex (gsm)	Std (209)	Opt (90)
Warm up time (secs)	20	26
<b>Copier</b>	<b>Std</b>	<b>Std</b>
Copy/min. (cpm)	28	30
FCOT (secs)	4.6	6.9
Max. Original Size	A3	A3
Max. Qty. Select	999	99
Scanner Resolution	600x600	600x600
Zoom Range	25-400%	50-200%
Copier Std. Mem. MB	640mb	256mb (shared)
Copier Max. Mem. MB	640mb	256mb (shared)
HDD	Std (80Gb)	Opt
e-Sort	Std	Std
Account Numbers	1,000	Yes
Machine Size (WxDxH)	645x695x953	622x676x757
Job Programs	48	5

Manufacturer	SHARP	Canon
<b>Model</b>	<b>MX-M283N</b>	<b>iR2030i</b>
<b>Document Feeder</b>	<b>Std</b>	<b>Std</b>
Type	RSPF	DADF
Capacity	100	50
<b>Network Printer</b>	<b>Std</b>	<b>Std</b>
Print/min. (ppm)	28	30
Print Resolution	1200x1200dpi	1200x1200dpi
Confidential Print	Std	Std
XPS	Opt	No
Postscript	Opt	Opt
PCL	5e, 6 Std	5e, 6 Std
Apple	Opt	Opt
Print Std. Mem. MB	1Gb	256mb (shared)
Print Max Mem. MB	2Gb	256mb (shared)
USB	Std	Std
Gigabit Ethernet	Std	No
<b>Fax</b>	<b>Opt</b>	<b>Opt</b>
Super G3	Yes	Yes
JBIG Compression	Yes	Yes
i-Fax	Opt	Opt
<b>Network Scanning</b>	<b>Std</b>	<b>Std</b>
Type	Colour	Colour
Resolution	600x600	600dpi mono, 300 col
Destinations	Desktop/FTP/email/SMB/USB	Email/i-FAX/FTP/SMB/iWDM
Functionality	Sharpdesk	
Document Filing	Std	No
<b>Finishing</b>	<b>Opt</b>	<b>Opt</b>
Max Capacity (sheets)	4,000	1,100
Auto Stapler	Yes	Yes
Max Sheets Stapled	50	50
Offset Stacking	Yes	Yes

Advantages of Sharp MX-M283N
<ul style="list-style-type: none"> <li>• Higher paper capacity (std and max)</li> <li>• More paper cassettes available</li> <li>• Larger paper support</li> <li>• Higher capacity bypass tray</li> <li>• Heavier paper support (trays, bypass, and duplex)</li> <li>• Faster warm-up time</li> <li>• Faster FCOT</li> <li>• More quantity select</li> <li>• Wider zoom range</li> <li>• More memory for both print and copy functions</li> <li>• Separate printing memory for print and copy</li> <li>• Std HDD</li> <li>• More job programs</li> <li>• Higher capacity document feeder</li> <li>• XPS printing option</li> <li>• XPS scan std</li> <li>• Gigabit Ethernet</li> <li>• Higher resolution colour scanning</li> <li>• Higher finisher capacity</li> <li>• Scan to/print from USB</li> <li>• Document Filing</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Canon iR2030i
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Smaller footprint</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M283N Vs. Canon iR3225N**



Manufacturer	SHARP	Canon
Model	MX-M283N	iR3225N
Launch Date	June 2009	August 2008
Also Sold As	N/A	N/A
Multifunctionality	Std	Std
Network Printer	Std	Std
Network Scanning	Std	Opt
Fax	Opt	Opt
Base Engine	Desktop	Desktop
Paper Max. Size	A3W	A3
Total Cassettes Std.	2	2
Total Cassettes Max.	5	5
Total Sheets Std.	1,100	1,150
Max. Paper Sheets	5,600	4,950
No of sheets (Bypass)	100	50
gsm - Tray (bypass)	209 (209)	90 (128)
Duplex	Std (209gsm)	Std
Warm up time (secs)	20	30
Copier	Std	Std
Copy/min. (cpm)	28	25
FCOT (secs)	4.6	4.9
Max. Original Size	A3	A3
Max. Qty. Select	999	999
Scanner Resolution	600x600	600x600
Zoom Range	25-400%	25-400%
Copier Std. Mem. MB	640mb	1256mb (shared)
Copier Max. Mem. MB	640mb	1768mb (shared)
HDD	Std (80Gb)	Std (60Gb)
e-Sort	Std	Std
Account Numbers	1,000	1,000
Machine Size (WxDxH)	645x695x953	565x700x901
Job Programs	48	9

Manufacturer	SHARP	Canon
Model	MX-M283N	iR3225N
Document Feeder	Std	Std
Type	RSPF	DADF
Capacity	100	100
Network Printer	Std	Std
Print/min. (ppm)	28	25
Print Resolution	1200x1200dpi	1200x1200dpi
Confidential Print	Std	Std
XPS	Opt	No
Postscript	Opt	Opt
PCL	5e, 6 Std	5e, 6 Std
Apple	Opt	Opt
Print Std. Mem. MB	1Gb	1,256mb (shared)
Print Max Mem. MB	2Gb	1,768mb (shared)
USB	Std	Std
Gigabit Ethernet	Std	Std
Fax	Opt	Opt
Super G3	Yes	Yes
JBIG Compression	Yes	Yes
i-Fax	Opt	Yes
Network Scanning	Std	Opt
Type	Colour	Colour
Resolution	600x600	600x600
Destinations	Desktop/FTP/email/SMB/USB	Email/I-FAX/SMB/FTP/WebDAV/iWDM
Functionality	Sharpdesk	
Document Filing	Std	No
Finishing	Opt	Opt
Max Capacity (sheets)	4,000	1,600
Auto Stapler	Yes	Yes
Max Sheets Stapled	50	50
Offset Stacking	Yes	Yes

Advantages of Sharp MX-M283N	Advantages of Canon iR3225N
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Larger paper support</li> <li>• Higher max. paper capacity</li> <li>• Higher capacity bypass tray</li> <li>• Heavier paper support (trays &amp; bypass)</li> <li>• Faster warm-up time</li> <li>• Faster FCOT</li> <li>• Larger HDD capacity</li> <li>• Separate print and copy memory</li> <li>• More job programs</li> <li>• XPS printing option</li> <li>• More printer memory available</li> <li>• Scan to / print from USB port</li> <li>• Document Filing</li> <li>• Higher capacity finisher</li> </ul>	<ul style="list-style-type: none"> <li>• Higher std paper capacity (1150 sheets vs 1100)</li> <li>• More print and copy memory, albeit shared</li> <li>• Smaller footprint</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M283N Vs. Konica Minolta Bizhub 282**



Manufacturer	SHARP	Konica Minolta
Model	MX-M283N	Bizhub 282
Launch Date	June 2009	January 2009
Also Sold As	N/A	N/A
Multifunctionality	Std	Std
Network Printer	Std	Std
Network Scanning	Std	Std
Fax	Opt	Opt
Base Engine	Desktop	Desktop
Paper Max. Size	A3W	A3
Total Cassettes Std.	2	2
Total Cassettes Max.	5	4
Total Sheets Std.	1,100	1,150
Max. Paper Sheets	5,600	3,650
No of sheets (Bypass)	100	150
gsm - Tray (bypass)	209 (209)	90 (210)
Duplex (gsm)	Std (209)	Std (90)
Warm up time (secs)	20	24
Copier	Std	Std
Copy/min. (cpm)	28	28
FCOT (secs)	4.6	5.3
Max. Original Size	A3	A3
Max. Qty. Select	999	999
Scanner Resolution	600x600	600x600
Zoom Range	25-400%	25-400%
Copier Std. Mem. MB	640mb	192mb (shared)
Copier Max. Mem. MB	640mb	320mb (shared)
HDD	Std (80Gb)	Opt (40Gb)
e-Sort	Std	Std
Account Numbers	1,000	1,000 (with HDD)
Machine Size (WxDxH)	645x695x953	677x710x718
Job Programs	48	10

Manufacturer	SHARP	Konica Minolta
Model	MX-M283N	Bizhub 282
Document Feeder	Std	Opt
Type	RSPF	RADF
Capacity	100	80
Network Printer	Std	Std
Print/min. (ppm)	28	28
Print Resolution	1200x1200dpi	600x600dpi
Confidential Print	Std	Std
XPS	Opt	No
Postscript	Opt	Std
PCL	5e, 6 Std	PCL 6 Std
Apple	Opt	Std
Print Std. Mem. MB	1Gb	192mb (shared)
Print Max Mem. MB	2Gb	320mb (shared)
USB	Std	Std
Gigabit Ethernet	Std	No
Fax	Opt	Opt
Super G3	Yes	Yes
JBIG Compression	Yes	Yes
i-Fax	Opt	Opt
Network Scanning	Std	Std
Type	Colour	Mono
Resolution	600x600	600x600
Destinations	Desktop/FTP/email/SMB/USB	Email/FTP/SMB std Net TWAIN (with HDD)
Functionality	Sharpdesk	
Document Filing	Std	Opt
Finishing	Opt	Opt
Max Capacity (sheets)	4,000	1,200
Auto Stapler	Yes	Yes
Max Sheets Stapled	50	50
Offset Stacking	Yes	Yes

Advantages of Sharp MX-M283N
<ul style="list-style-type: none"> <li>• Larger paper support</li> <li>• More paper cassettes available</li> <li>• Higher max. paper capacity</li> <li>• Heavier paper support (trays &amp; duplex)</li> <li>• Faster warm-up time</li> <li>• Faster FCOT</li> <li>• More print and copy memory</li> <li>• Separate print and copy memory</li> <li>• Standard HDD (larger capacity than Kon Min option)</li> <li>• 1000 user accounts as std</li> <li>• Smaller footprint</li> <li>• More job programs</li> <li>• Std document feeder</li> <li>• Higher capacity document feeder</li> <li>• Higher print resolution</li> <li>• XPS printing option</li> <li>• PCL 5e support</li> <li>• Gigabit Ethernet</li> <li>• Scan to / print from USB</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Konica Minolta Bizhub 282
<ul style="list-style-type: none"> <li>• Higher std paper capacity (1150 sheets vs 1100)</li> <li>• Higher capacity bypass tray (150 sheets vs 100)</li> <li>• Heavier paper support (bypass)</li> <li>• PostScript 3 as std</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M283N Vs. Kyocera KM-2540**



Manufacturer	SHARP	Kyocera
Model	MX-M283N	KM-2540
Launch Date	June 2009	January 2008
Also Sold As	N/A	Olivetti d-Copia 2500
Multifunctionality	Std	Opt
Network Printer	Std	Opt
Network Scanning	Std	No
Fax	Opt	Opt
Base Engine	Desktop	Desktop
Paper Max. Size	A3W	A3
Total Cassettes Std.	2	2
Total Cassettes Max.	5	4
Total Sheets Std.	1,100	1,200
Max. Paper Sheets	5,600	2,200
No of sheets (Bypass)	100	200
gsm - Tray (bypass)	209 (209)	120 (200)
Duplex (gsm)	Std (209)	Std
Warm up time (secs)	20	15
Copier	Std	Std
Copy/min. (cpm)	28	25
FCOT (secs)	4.6	4.7
Max. Original Size	A3	A3
Max. Qty. Select	999	999
Scanner Resolution	600x600	600x600
Zoom Range	25-400%	25-400%
Copier Std. Mem. MB	640mb	64mb
Copier Max. Mem. MB	640mb	192mb
HDD	Std (80Gb)	Opt (40Gb)
e-Sort	Std	Std
Account Numbers	1,000	500
Machine Size (WxDxH)	645x695x953	570x640x767.2
Job Programs	48	8

Manufacturer	SHARP	Kyocera
Model	MX-M283N	KM-2540
Document Feeder	Std	Opt
Type	RSPF	RADF
Capacity	100	75
Network Printer	Std	Opt
Print/min. (ppm)	28	25
Print Resolution	1200x1200dpi	1200dpi
Confidential Print	Std	Std
XPS	Opt	No
Postscript	Opt	Std with print opt
PCL	5e, 6 Std	PCL 6 with print opt
Apple	Opt	Std with print opt
Print Std. Mem. MB	1Gb	64mb
Print Max Mem. MB	2Gb	576mb
USB	Std	Std with print opt
Gigabit Ethernet	Std	No
Fax	Opt	Opt
Super G3	Yes	Yes
JBIG Compression	Yes	Yes
i-Fax	Opt	Opt
Network Scanning	Std	No
Type	Colour	N/A
Resolution	600x600	N/A
Destinations	Desktop/FTP/email/SMB/USB	N/A
Functionality	Sharpdesk	N/A
Document Filing	Std	No
Finishing	Opt	Opt
Max Capacity (sheets)	4,000	500
Auto Stapler	Yes	Yes
Max Sheets Stapled	50	30
Offset Stacking	Yes	Yes

Advantages of Sharp MX-M283N
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Scanning functionality</li> <li>• Standard printing functionality</li> <li>• Larger paper support</li> <li>• More paper cassettes available</li> <li>• Higher max paper capacity</li> <li>• Heavier paper support (trays &amp; bypass)</li> <li>• Faster FCOT</li> <li>• More print and copy memory</li> <li>• Standard HDD (larger capacity than Kyocera option)</li> <li>• More user accounts</li> <li>• More job programs</li> <li>• Standard document feeder</li> <li>• Higher capacity document feeder</li> <li>• XPS printing option</li> <li>• Gigabit Ethernet</li> <li>• Higher capacity finisher</li> <li>• Can staple more sheets</li> </ul>

Advantages of Kyocera KM-2540
<ul style="list-style-type: none"> <li>• Higher std paper capacity (1200 sheets vs 1100)</li> <li>• Higher capacity bypass tray (200 sheets vs 100)</li> <li>• Faster warm-up time (15 sec. vs 20)</li> <li>• Smaller footprint</li> </ul>



**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M283N Vs. Kyocera KM-2560**



Manufacturer	SHARP	Kyocera
Model	MX-M283N	KM-2560
Launch Date	June 2009	November 2007
Also Sold As	N/A	N/A
Multifunctionality	Std	Opt
Network Printer	Std	Std
Network Scanning	Std	Std
Fax	Opt	Opt
Base Engine	Desktop	Desktop
Paper Max. Size	A3W	A3
Total Cassettes Std.	2	2
Total Cassettes Max.	5	4
Total Sheets Std.	1,100	1,200
Max. Paper Sheets	5,600	2,200
No of sheets (Bypass)	100	200
gsm - Tray (bypass)	209 (209)	120 (200)
Duplex (gsm)	Std (209)	Std
Warm up time (secs)	20	29
Copier	Std	Std
Copy/min. (cpm)	28	25
FCOT (secs)	4.6	4.7
Max. Original Size	A3	A3
Max. Qty. Select	999	999
Scanner Resolution	600x600	600x600
Zoom Range	25-400%	25-400%
Copier Std. Mem. MB	640mb	512mb (shared)
Copier Max. Mem. MB	640mb	1Gb (shared)
HDD	Std (80Gb)	Std (80Gb)
e-Sort	Std	Std
Account Numbers	1,000	500
Machine Size (WxDxH)	645x695x953	570x640x767.2
Job Programs	48	8

Manufacturer	SHARP	Kyocera
Model	MX-M283N	KM-2560
Document Feeder	Std	Opt
Type	RSPF	RADF
Capacity	100	75
Network Printer	Std	Std
Print/min. (ppm)	28	25
Print Resolution	1200x1200dpi	1200dpi
Confidential Print	Std	Std
XPS	Opt	No
Postscript	Opt	Std
PCL	5e, 6 Std	PCL 6 Std
Apple	Opt	Std
Print Std. Mem. MB	1Gb	512mb (shared)
Print Max Mem. MB	2Gb	1Gb (shared)
USB	Std	Std
Gigabit Ethernet	Std	No
Fax	Opt	Opt
Super G3	Yes	Yes
JBIG Compression	Yes	Yes
i-Fax	Opt	Opt
Network Scanning	Std	Std
Type	Colour	Colour
Resolution	600x600	600x600
Destinations	Desktop/FTP/email/SMB/USB	Email/FTP/SMB/TWAIN/HDD
Functionality	Sharpdesk	
Document Filing	Std	Std
Finishing	Opt	Opt
Max Capacity (sheets)	4,000	1,000
Auto Stapler	Yes	Yes
Max Sheets Stapled	50	30
Offset Stacking	Yes	Yes

Advantages of Sharp MX-M283N
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Larger paper support</li> <li>• More paper cassettes available</li> <li>• Heavier paper support (trays &amp; bypass)</li> <li>• Higher max paper capacity</li> <li>• More print and copy memory</li> <li>• Faster warm-up time</li> <li>• Faster FCOT</li> <li>• Separate print and copy memory</li> <li>• Standard HDD (higher capacity than Kyocera option)</li> <li>• More user accounts</li> <li>• More job programs</li> <li>• Standard document feeder</li> <li>• Higher capacity document feeder</li> <li>• XPS printing option</li> <li>• Gigabit Ethernet</li> <li>• Higher capacity finisher capacity</li> <li>• Can staple more sheets</li> </ul>

Advantages of Kyocera KM-2560
<ul style="list-style-type: none"> <li>• Higher std paper capacity (1200 sheets vs 1100)</li> <li>• Higher capacity bypass tray (200 sheets vs 100)</li> <li>• Smaller footprint</li> <li>• Higher max. copy memory (albeit shared with printer)</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M283N Vs. Kyocera KM-3040**



Manufacturer	SHARP	Kyocera
Model	MX-M283N	KM-3040
Launch Date	June 2009	January 2008
Also Sold As	N/A	Olivetti d-Copia 2500
Multifunctionality	Std	Opt
Network Printer	Std	Opt
Network Scanning	Std	No
Fax	Opt	Opt
Base Engine	Desktop	Desktop
Paper Max. Size	A3W	A3
Total Cassettes Std.	2	2
Total Cassettes Max.	5	4
Total Sheets Std.	1,100	1,200
Max. Paper Sheets	5,600	2,200
No of sheets (Bypass)	100	200
gsm - Tray (bypass)	209 (209)	120 (200)
Duplex (gsm)	Std (209)	Std
Warm up time (secs)	20	15
Copier	Std	Std
Copy/min. (cpm)	28	30
FCOT (secs)	4.6	4.7
Max. Original Size	A3	A3
Max. Qty. Select	999	999
Scanner Resolution	600x600	600x600
Zoom Range	25-400%	25-400%
Copier Std. Mem. MB	640mb	64mb
Copier Max. Mem. MB	640mb	192mb
HDD	Std (80Gb)	Opt (40Gb)
e-Sort	Std	Std
Account Numbers	1,000	500
Machine Size (WxDxH)	645x695x953	570x640x767.2
Job Programs	48	8

Manufacturer	SHARP	Kyocera
Model	MX-M283N	KM-3040
Document Feeder	Std	Opt
Type	RSPF	RADF
Capacity	100	75
Network Printer	Std	Opt
Print/min. (ppm)	28	30
Print Resolution	1200x1200dpi	1200dpi
Confidential Print	Std	Std
XPS	Opt	No
Postscript	Opt	Std with print opt
PCL	5e, 6 Std	PCL 6 with print opt
Apple	Opt	Std with print opt
Print Std. Mem. MB	1Gb	64mb
Print Max Mem. MB	2Gb	576mb
USB	Std	Std with print opt
Gigabit Ethernet	Std	No
Fax	Opt	Opt
Super G3	Yes	Yes
JBIG Compression	Yes	Yes
i-Fax	Opt	Opt
Network Scanning	Std	No
Type	Colour	N/A
Resolution	600x600	N/A
Destinations	Desktop/FTP/email/SMB/USB	N/A
Functionality	Sharpdesk	N/A
Document Filing	Std	No
Finishing	Opt	Opt
Max Capacity (sheets)	4,000	500
Auto Stapler	Yes	Yes
Max Sheets Stapled	50	30
Offset Stacking	Yes	Yes

Advantages of Sharp MX-M283N
<ul style="list-style-type: none"> <li>• Scanning functionality</li> <li>• Standard network printer and scanning</li> <li>• Larger paper support</li> <li>• More paper cassettes available</li> <li>• Higher max paper capacity</li> <li>• Heavier paper support (trays &amp; bypass)</li> <li>• Faster FCOT</li> <li>• More print and copy memory</li> <li>• Std HDD (larger capacity than Kyocera option)</li> <li>• More user accounts</li> <li>• More job programs</li> <li>• Standard document feeder</li> <li>• Higher capacity document feeder</li> <li>• XPS printing option</li> <li>• Gigabit Ethernet</li> <li>• Higher capacity finisher</li> <li>• Can staple more sheets</li> </ul>

Advantages of Kyocera KM-3040
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Higher std paper capacity (1200 sheets vs 1100)</li> <li>• Higher capacity bypass tray (200 sheets vs 100)</li> <li>• Faster warm-up time (15 sec. vs 20)</li> <li>• Smaller footprint</li> </ul>

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■ **Sharp MX-M283N Vs. Kyocera KM-3060**



Manufacturer	SHARP	Kyocera
Model	MX-M283N	KM-3060
Launch Date	June 2009	November 2007
Also Sold As	N/A	N/A
Multifunctionality	Std	Opt
Network Printer	Std	Std
Network Scanning	Std	Std
Fax	Opt	Opt
Base Engine	Desktop	Desktop
Paper Max. Size	A3W	A3
Total Cassettes Std.	2	2
Total Cassettes Max.	5	4
Total Sheets Std.	1,100	1,200
Max. Paper Sheets	5,600	2,200
No of sheets (Bypass)	100	200
gsm - Tray (bypass)	209 (209)	120 (200)
Duplex (gsm)	Std (209)	Std
Warm up time (secs)	20	29
Copier	Std	Std
Copy/min. (cpm)	28	30
FCOT (secs)	4.6	4.7
Max. Original Size	A3	A3
Max. Qty. Select	999	999
Scanner Resolution	600x600	600x600
Zoom Range	25-400%	25-400%
Copier Std. Mem. MB	640mb	512mb (shared)
Copier Max. Mem. MB	640mb	1Gb (shared)
HDD	Std (80Gb)	Std (80Gb)
e-Sort	Std	Std
Account Numbers	1,000	500
Machine Size (WxDxH)	645x695x953	570x640x767.2
Job Programs	48	8

Manufacturer	SHARP	Kyocera
Model	MX-M283N	KM-3060
Document Feeder	Std	Opt
Type	RSPF	RADF
Capacity	100	75
Network Printer	Std	Std
Print/min. (ppm)	28	30
Print Resolution	1200x1200dpi	1200dpi
Confidential Print	Std	Std
XPS	Opt	No
Postscript	Opt	Std
PCL	5e, 6 Std	PCL 6 Std
Apple	Opt	Std
Print Std. Mem. MB	1Gb	512mb (shared)
Print Max Mem. MB	2Gb	1Gb (shared)
USB	Std	Std
Gigabit Ethernet	Std	No
Fax	Opt	Opt
Super G3	Yes	Yes
JBIG Compression	Yes	Yes
i-Fax	Opt	Opt
Network Scanning	Std	Std
Type	Colour	Colour
Resolution	600x600	600x600
Destinations	Desktop/FTP/email/SMB/USB	Email/FTP/SMB/TWAIN/HDD
Functionality	Sharpdesk	
Document Filing	Std	Std
Finishing	Opt	Opt
Max Capacity (sheets)	4,000	1,000
Auto Stapler	Yes	Yes
Max Sheets Stapled	50	30
Offset Stacking	Yes	Yes

Advantages of Sharp MX-M283N
<ul style="list-style-type: none"> <li>• Larger paper support</li> <li>• More paper cassettes available</li> <li>• Higher max paper capacity</li> <li>• Heavier paper support (trays &amp; bypass)</li> <li>• Faster warm-up time</li> <li>• Faster FCOT</li> <li>• More print and copy memory</li> <li>• Separate print and copy memory</li> <li>• Standard HDD (higher capacity than Kyocera option)</li> <li>• More user accounts</li> <li>• More job programs</li> <li>• Standard document feeder</li> <li>• Higher capacity document feeder</li> <li>• XPS printing option</li> <li>• Gigabit Ethernet</li> <li>• Higher capacity finisher</li> <li>• Can staple more sheets</li> </ul>

Advantages of Kyocera KM-3060
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Higher std paper capacity (1200 sheets vs 1100)</li> <li>• Higher capacity bypass tray (200 sheets vs 100)</li> <li>• Smaller footprint</li> <li>• Higher max. copy memory (albeit shared with printer)</li> </ul>

**MX-M503N/U 453N/U  
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■ **Sharp MX-M283N Vs. Ricoh Aficio MP 2510**



Manufacturer	SHARP	Ricoh
Model	MX-M283N	Aficio MP2510
Launch Date	June 2009	January 2007
Also Sold As	N/A	Gestetner/Rex Rotary/Nashuatec MP 2510
Multifunctionality	Std	Opt
Network Printer	Std	Opt
Network Scanning	Std	Opt
Fax	Opt	Opt
Base Engine	Desktop	Desktop
Paper Max. Size	A3W	A3
Total Cassettes Std.	2	2
Total Cassettes Max.	5	4
Total Sheets Std.	1,100	1,000
Max. Paper Sheets	5,600	3,100
No of sheets (Bypass)	100	100 (opt)
gsm - Tray (bypass)	209 (209)	105 (157)
Duplex (gsm)	Std (209)	Std (105)
Warm up time (secs)	20	12
Copier	Std	Std
Copy/min. (cpm)	28	25
FCOT (secs)	4.6	4.4
Max. Original Size	A3	A3
Max. Qty. Select	999	999
Scanner Resolution	600x600	600x600
Zoom Range	25-400%	25-400%
Copier Std. Mem. MB	640mb	128mb (shared)
Copier Max. Mem. MB	640mb	384mb (shared)
HDD	Std (80Gb)	Opt (40Gb)
e-Sort	Std	Std
Account Numbers	1,000	100std 500opt
Machine Size (WxDxH)	645x695x953	550x604x980
Job Programs	48	10

Manufacturer	SHARP	Ricoh
Model	MX-M283N	Aficio MP2510
Document Feeder	Std	Opt
Type	RSPF	RSPF
Capacity	100	50
Network Printer	Std	Opt
Print/min. (ppm)	28	25
Print Resolution	1200x1200dpi	600x600dpi
Confidential Print	Std	Std
XPS	Opt	No
Postscript	Opt	Additional Opt
PCL	5e, 6 Std	5e, 6 with Printer Opt
Apple	Opt	Additional Opt
Print Std. Mem. MB	1Gb	384mb (shared)
Print Max Mem. MB	2Gb	384mb (shared)
USB	Std	Std
Gigabit Ethernet	Std	No
Fax	Opt	Opt
Super G3	Yes	No, G3
JBIG Compression	Yes	Yes
i-Fax	Opt	Yes
Network Scanning	Std	Opt
Type	Colour	Mono
Resolution	600x600	1200dpi (TWAIN only)
Destinations	Desktop/FTP/email/SMB/USB	Email/TWAIN/SMB/FTP/NCP
Functionality	Sharpdesk	
Document Filing	Std	No
Finishing	Opt	Opt
Max Capacity (sheets)	4,000	1,250
Auto Stapler	Yes	Yes
Max Sheets Stapled	50	50
Offset Stacking	Yes	Yes

**Advantages of Sharp MX-M283N**

- Faster output
- Standard network printer and scanning
- Colour scanning
- Larger paper support
- More paper cassettes available
- Higher std & max paper capacity
- Std bypass
- Heavier paper support (trays, bypass, and duplex)
- More print and copy memory
- Separate print and copy memory
- Std HDD (larger capacity than Ricoh option)
- More user accounts
- More job programs
- Std document feeder (high capacity than Ricoh option)
- Higher print resolution
- XPS printing option
- Gigabit Ethernet
- Super G3 fax (Ricoh is only G3)
- Document Filing
- Higher capacity finisher

**Advantages of Ricoh Aficio MP 2510**

- Faster warm-up time
- Slightly faster FCOT (4.4 sec. Vs 4.6)
- Smaller footprint
- 1200dpi scanning (TWAIN only)



■ **Sharp MX-M283N Vs. Ricoh Aficio MP 3010**



Manufacturer	SHARP	Ricoh
<b>Model</b>	<b>MX-M283N</b>	<b>Aficio MP 3010</b>
Launch Date	June 2009	January 2007
Also Sold As	N/A	Gestetner/Rex Rotary/Nashuatec MP 3010
<b>Multifunctionality</b>	<b>Std</b>	<b>Opt</b>
Network Printer	Std	Opt
Network Scanning	Std	Opt
Fax	Opt	Opt
Base Engine	Desktop	Desktop
Paper Max. Size	A3W	A3
Total Cassettes Std.	2	2
Total Cassettes Max.	5	4
Total Sheets Std.	1,100	1,000
Max. Paper Sheets	5,600	3,100
No of sheets (Bypass)	100	100 (opt)
gsm - Tray (bypass)	209 (209)	105 (157)
Duplex (gsm)	Std (209)	Std (105)
Warm up time (secs)	20	12
<b>Copier</b>	<b>Std</b>	<b>Std</b>
Copy/min. (cpm)	28	30
FCOT (secs)	4.6	4.4
Max. Original Size	A3	A3
Max. Qty. Select	999	999
Scanner Resolution	600x600	600x600
Zoom Range	25-400%	25-400%
Copier Std. Mem. MB	640mb	128mb (shared)
Copier Max. Mem. MB	640mb	384mb (shared)
HDD	Std (80Gb)	Opt (40Gb)
e-Sort	Std	Std
Account Numbers	1,000	100std 500opt
Machine Size (WxDxH)	645x695x953	550x604x980
Job Programs	48	10

Manufacturer	SHARP	Ricoh
<b>Model</b>	<b>MX-M283N</b>	<b>Aficio MP 3010</b>
<b>Document Feeder</b>	<b>Std</b>	<b>Opt</b>
Type	RSPF	RSPF
Capacity	100	50
<b>Network Printer</b>	<b>Std</b>	<b>Opt</b>
Print/min. (ppm)	30	30
Print Resolution	1200x1200dpi	600x600dpi
Confidential Print	Std	Std
XPS	Opt	No
Postscript	Opt	Additional Opt
PCL	5e, 6 Std	5e, 6 with Printer Opt
Apple	Opt	Additional Opt
Print Std. Mem. MB	1Gb	384mb (shared)
Print Max Mem. MB	2Gb	384mb (shared)
USB	Std	Std
Gigabit Ethernet	Std	No
<b>Fax</b>	<b>Opt</b>	<b>Opt</b>
Super G3	Yes	No, G3
JBIG Compression	Yes	Yes
i-Fax	Opt	Yes
<b>Network Scanning</b>	<b>Std</b>	<b>Opt</b>
Type	Colour	Mono
Resolution	600x600	1200dpi (TWAIN only)
Destinations	Desktop/FTP/email/SMB/USB	Email/TWAIN/SMB/FTP/NCP
Functionality	Sharpdesk	
Document Filing	Std	No
<b>Finishing</b>	<b>Opt</b>	<b>Opt</b>
Max Capacity (sheets)	4,000	1,250
Auto Stapler	Yes	Yes
Max Sheets Stapled	50	50
Offset Stacking	Yes	Yes

Advantages of Sharp MX-M283N
<ul style="list-style-type: none"> <li>• Standard network printer and scanning</li> <li>• Colour scanning</li> <li>• Larger paper support</li> <li>• More paper cassettes available</li> <li>• Higher std &amp; max paper capacity</li> <li>• Std bypass</li> <li>• Heavier paper support (trays, bypass, and duplex)</li> <li>• Standard bypass</li> <li>• More print and copy memory</li> <li>• Separate print and copy memory</li> <li>• Std HDD (larger capacity than Ricoh option)</li> <li>• More user accounts</li> <li>• More job programs</li> <li>• Std document feeder (high capacity than Ricoh option)</li> <li>• Higher print resolution</li> <li>• XPS printing option</li> <li>• Gigabit Ethernet</li> <li>• Super G3 fax (Ricoh is only G3)</li> <li>• Document Filing</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Ricoh Aficio MP 3010
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Faster warm-up time</li> <li>• Slightly faster FCOT(4.4 sec. Vs 4.6)</li> <li>• Smaller footprint</li> <li>• 1200dpi scanning (TWAIN only)</li> </ul>

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■ **Sharp MX-M283N Vs. Ricoh Aficio MP 2550B**

Manufacturer	SHARP	Ricoh
Model	MX-M283N	Aficio MP 2550B
Launch Date	June 2009	January 2008
Also Sold As	N/A	Gestetner/Nashua/ Rex-Rotary MP3350B
Multifunctionality	Std	Opt
Network Printer	Std	Opt
Network Scanning	Std	Opt
Fax	Opt	Opt
Base Engine	Desktop	Desktop
Paper Max. Size	A3W	A3
Total Cassettes Std.	2	2
Total Cassettes Max.	5	3
Total Sheets Std.	1,100	1,000
Max. Paper Sheets	5,600	3,100
No of sheets (Bypass)	100	100 (opt)
gsm - Tray (bypass)	209 (209)	105 (157)
Duplex (gsm)	Std (209)	Opt (105)
Warm up time (secs)	20	14
Copier	Std	Std
Copy/min. (cpm)	28	25
FCOT (secs)	4.6	4.5
Max. Original Size	A3	A3
Max. Qty. Select	999	999
Scanner Resolution	600x600	600x600
Zoom Range	25-400%	25-400%
Copier Std. Mem. MB	640mb	256mb (shared)
Copier Max. Mem. MB	640mb	512mb (shared)
HDD	Std 80Gb	Opt (40Gb)
e-Sort	Std	Std
Account Numbers	1,000	500
Machine Size (WxDxH)	645x695x953	570x653x709
Job Programs	48	10

Manufacturer	SHARP	Ricoh
Model	MX-M283N	Aficio MP 2550B
Document Feeder	Std	Opt
Type	RSPF	RADF
Capacity	100	50
Network Printer	Std	Opt
Print/min. (ppm)	28	25
Print Resolution	1200dpi	600x600dpi
Confidential Print	Std	Std
XPS	Opt	No
Postscript	Opt	Additional Opt
PCL	5e, 6 Std	5e, 6 Opt
Apple	Opt	Additional Opt
Print Std. Mem. MB	1Gb	256mb (shared)
Print Max Mem. MB	2Gb	512mb (shared)
USB	Std	Std with printer
Gigabit Ethernet	Std	No
Fax	Opt	Opt
Super G3	Yes	G3
JBIG Compression	Yes	Yes
i-Fax	Opt	Opt
Network Scanning	Std	Opt
Type	Colour	Mono
Resolution	600x600	1200dpi (TWAIN)
Destinations	Desktop/FTP/email/ SMB/USB	Email/Net TWAIN/SMB/FTP/NCP
Functionality	Sharpdesk	
Document Filing	Std	No
Finishing	Opt	Opt
Max Capacity (sheets)	4,000	1,250
Auto Stapler	Yes	Yes
Max Sheets Stapled	50	50
Offset Stacking	Yes	Yes

Advantages of Sharp MX-M283N	Advantages of Ricoh Aficio MP 2550B
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Std network printer and scanning</li> <li>• Larger paper support</li> <li>• More paper cassettes available</li> <li>• Higher paper capacity (std &amp; max)</li> <li>• Std bypass</li> <li>• Heavier paper support (trays, bypass and duplex)</li> <li>• Separate print and copy memory</li> <li>• Std HDD (larger capacity than Ricoh option)</li> <li>• More user accounts and job programs</li> <li>• Standard document feeder</li> <li>• Higher capacity document feeder</li> <li>• Higher print resolution</li> <li>• XPS printing option</li> <li>• More printer memory</li> <li>• Gigabit Ethernet</li> <li>• Super G3 fax (Ricoh is only G3)</li> <li>• Colour scanning</li> <li>• Document Filing</li> <li>• Higher capacity finisher</li> </ul>	<ul style="list-style-type: none"> <li>• Faster warm-up time</li> <li>• Slightly faster FCOT (4.5 sec. Vs 4.6)</li> <li>• Smaller footprint</li> <li>• Higher resolution scanning (TWAIN only)</li> </ul>





■ **Sharp MX-M283N Vs. Ricoh Aficio MP 2550**

Manufacturer	SHARP	Ricoh
Model	MX-M283N	Aficio MP 2550
Launch Date	June 2009	January 2008
Also Sold As	N/A	Gestetner/Nashua/Rex-Rotary MP2550
Multifunctionality	Std	Std
Network Printer	Std	Std
Network Scanning	Std	Std
Fax	Opt	Opt
Base Engine	Desktop	Desktop
Paper Max. Size	A3W	A3
Total Cassettes Std.	2	2
Total Cassettes Max.	5	3
Total Sheets Std.	1,100	1,000
Max. Paper Sheets	5,600	3,100
No of sheets (Bypass)	100	100 (opt)
gsm - Tray (bypass)	209 (209)	105 (157)
Duplex (gsm)	Std (209)	Opt (105)
Warm up time (secs)	20	14
Copier	Std	Std
Copy/min. (cpm)	28	25
FCOT (secs)	4.6	4.5
Max. Original Size	A3	A3
Max. Qty. Select	999	999
Scanner Resolution	600x600	600x600
Zoom Range	25-400%	25-400%
Copier Std. Mem. MB	640mb	256mb (shared)
Copier Max. Mem. MB	640mb	768mb (shared)
HDD	Std 80Gb	Std 40Gb
e-Sort	Std	Std
Account Numbers	1,000	500
Machine Size (WxDxH)	645x695x953	570x653x709
Job Programs	48	10

Manufacturer	SHARP	Ricoh
Model	MX-M283N	Aficio MP 2550
Document Feeder	Std	Opt
Type	RSPF	RADF
Capacity	100	50
Network Printer	Std	Std
Print/min. (ppm)	28	25
Print Resolution	1200dpi	600x600dpi
Confidential Print	Std	Std
XPS	Opt	No
Postscript	Opt	Opt
PCL	5e, 6 Std	5e, 6 Std
Apple	Opt	Opt
Print Std. Mem. MB	1Gb	768mb (shared)
Print Max Mem. MB	2Gb	768mb (shared)
USB	Std	Std
Gigabit Ethernet	Std	No
Fax	Opt	Opt
Super G3	Yes	G3
JBIG Compression	Yes	Yes
i-Fax	Opt	Opt
Network Scanning	Std	Std
Type	Colour	Colour
Resolution	600x600	1200dpi (TWAIN)
Destinations	Desktop/FTP/email/SMB/USB	Email/Net TWAIN/SMB/FTP/NCP
Functionality	Sharpdesk	
Document Filing	Std	No
Finishing	Opt	Opt
Max Capacity (sheets)	4,000	1,250
Auto Stapler	Yes	Yes
Max Sheets Stapled	50	50
Offset Stacking	Yes	Yes

Advantages of Sharp MX-M283N
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Larger paper support</li> <li>• More paper cassettes available</li> <li>• Higher paper capacity (std &amp; max)</li> <li>• Std bypass</li> <li>• Heavier paper support (trays, bypass and duplex)</li> <li>• Separate print and copy memory</li> <li>• Larger capacity HDD</li> <li>• More user accounts and job programs</li> <li>• Standard document feeder</li> <li>• Higher capacity document feeder</li> <li>• Higher print resolution</li> <li>• XPS printing option</li> <li>• More printer memory</li> <li>• Gigabit Ethernet</li> <li>• Super G3 fax (Ricoh is only G3)</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Ricoh Aficio MP 2550
<ul style="list-style-type: none"> <li>• Faster warm-up time</li> <li>• Slightly faster FCOT (4.5 sec. Vs 4.6)</li> <li>• More copy memory (albeit shared)</li> <li>• Smaller footprint</li> <li>• Higher resolution scanning (TWAIN only)</li> </ul>

# MX-M503N/U 453N/U MX-M363N/U 283N SALES GUIDE



## ■ Sharp MX-M363U & MX-M363N Vs. Canon iR3235



Manufacturer	SHARP		Canon
Model	M363U	M363N	iR3235
Launch Date	June 2009		August 2008
Also Sold As	N/A		N/A
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Network Printer	Opt	Std	Opt
Network Scanning	Opt	Std	Opt
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		5
Total Sheets Std.	1,100		1,150
Max. Paper Sheets	5,600		4,950
No of sheets (Bypass)	100		50
gsm – Tray (bypass)	209 (209)		90 (128)
Duplex (gsm)	Std (209)		Std (90)
Warm up time (secs)	20		30
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	36		35
FCOT (secs)	4.6		3.9
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	768mb (shared)
Copier Max. Mem. MB	320mb	640mb	1768mb (shared)
HDD	Opt 80Gb	Std 80Gb	Std (60Gb)
e-Sort	Std		Std
Account Numbers	1,000		1,000
Machine Size (WxDxH)	645x670x953	645x695x953	565x700x761
Job Programs	48		9

Manufacturer	SHARP		Canon
Model	M363U	M363N	iR3235
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	RSPF
Capacity	100		100
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Print/min. (ppm)	36		35
Print Resolution	600dpi	1200dpi	1200x1200dpi
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Additional Option
PCL	With opt	5e, 6 Std	Std with printer opt
Apple	Opt		Additional Option
Print Std. Mem. MB	1Gb		768mb (shared)
Print Max Mem. MB	2Gb		1768mb (shared)
USB	Std		Std with printer opt
Gigabit Ethernet	Opt	Std	Std with printer opt
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		Yes
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Type	Mono	Colour	Colour
Resolution	600x600		600x600
Destinations	Desktop/FTP/email/SMB/USB		Email/i-FAX/FTP/SMB/NCP/iWDM/WebDAV
Functionality	Sharpdesk		
Document Filing	Opt	Std	No
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		1,600
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

\* 2400x600 is enhanced resolution. 600x600 unenhanced

Advantages of Sharp MX-M363U & MX-M363N	Advantages of Canon iR3235
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Std network printer and scanning (N model only)</li> <li>• Larger paper support</li> <li>• Higher max. paper capacity</li> <li>• Heavier paper support (trays, bypass, and duplex)</li> <li>• Faster warm-up time</li> <li>• Separate print and copy memory</li> <li>• Larger capacity HDD</li> <li>• More job programs</li> <li>• Standard document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• XPS printing option</li> <li>• More printer memory (std and max)</li> <li>• Scan to / print from USB</li> <li>• Document Filing</li> <li>• Higher capacity finisher</li> </ul>	<ul style="list-style-type: none"> <li>• Higher std paper capacity (1100 sheets vs 1150)</li> <li>• Faster FCOT</li> <li>• More copy memory (albeit shared)</li> <li>• Smaller footprint</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ Sharp MX-M363U & MX-M363N Vs. Canon iR3235N



Manufacturer	SHARP		Canon
Model	M363U	M363N	iR3235N
Launch Date	June 2009		August 2008
Also Sold As	N/A		N/A
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Network Printer	Opt	Std	Std
Network Scanning	Opt	<b>Std</b>	Opt
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	<b>A3W</b>		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		5
Total Sheets Std.	1,100		<b>1,150</b>
Max. Paper Sheets	<b>5,600</b>		4,950
No of sheets (Bypass)	<b>100</b>		50
gsm – Tray (bypass)	<b>209 (209)</b>		90 (128)
Duplex (gsm)	<b>Std (209)</b>		Std (90)
Warm up time (secs)	<b>20</b>		35
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	<b>36</b>		35
FCOT (secs)	<b>4.6</b>		<b>3.9</b>
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	1256mb (shared)
Copier Max. Mem. MB	320mb	640mb	1768mb (shared)
HDD	Opt 80Gb	<b>Std 80Gb</b>	Std (60Gb)
e-Sort	Std		Std
Account Numbers	1,000		1,000
Machine Size (WxDxH)	645x670x953	645x695x953	<b>565x700x901</b>
Job Programs	<b>48</b>		9

Manufacturer	SHARP		Canon
Model	M363U	M363N	iR3235N
<b>Document Feeder</b>	<b>Std</b>		<b>Std</b>
Type	RSPF	<b>DSPF</b>	RSPF
Capacity	100		100
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Print/min. (ppm)	<b>36</b>		35
Print Resolution	600dpi	1200dpi	1200x1200dpi
Confidential Print	Std		Std
XPS	<b>Opt</b>		No
Postscript	Opt		Opt
PCL	With opt	5e, 6 Std	5e, 6 Std
Apple	Opt		Opt
Print Std. Mem. MB	1Gb		1256mb (shared)
Print Max Mem. MB	<b>2Gb</b>		1768mb (shared)
USB	Std		Std
Gigabit Ethernet	Opt	Std	Std
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		Yes
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Type	Mono	Colour	Colour
Resolution	600x600		600x600
Destinations	<b>Desktop/FTP/email/SMB/USB</b>		Email/i-FAX/FTP/SMB/NCP/iWDM/WebDAV
Functionality	Sharpdesk		
Document Filing	Opt	Std	No
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	<b>4,000</b>		1,600
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

\* 2400x600 is enhanced resolution. 600x600 unenhanced

Advantages of Sharp MX-M363U & MX-M363N	Advantages of Canon iR3235N
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Standard network scanning (N model only)</li> <li>• Support for larger paper size</li> <li>• Higher max. paper capacity</li> <li>• Heavier paper support (trays, bypass, and duplex)</li> <li>• Faster warm-up time</li> <li>• Separate print and copy memory</li> <li>• Larger capacity HDD</li> <li>• More job programs</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• XPS printing option</li> <li>• More printer memory (max)</li> <li>• Scan to / print from USB</li> <li>• Document Filing</li> <li>• Higher capacity finisher</li> </ul>	<ul style="list-style-type: none"> <li>• Higher std paper capacity (1150 sheets vs 1100)</li> <li>• Faster FCOT</li> <li>• More copy memory (albeit shared)</li> <li>• Smaller footprint</li> </ul>

# MX-M503N/U 453N/U MX-M363N/U 283N SALES GUIDE



## ■ Sharp MX-M363U & MX-M363N Vs. Konica Minolta Bizhub 361



Manufacturer	SHARP		Konica Minolta
Model	M363U	M363N	Bizhub 361
Launch Date	June 2009		June 2008
Also Sold As	N/A		Oce VL3622, Develop Ineo 361
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Network Printer	Opt	Std	Opt
Network Scanning	Opt	Std	Std
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		5
Total Sheets Std.	1,100		1,150
Max. Paper Sheets	5,600		5,650
No of sheets (Bypass)	100		150
gsm – Tray (bypass)	209 (209)		105 (210)
Duplex (gsm)	Std (209)		Std (105)
Warm up time (secs)	20		30
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	36		36
FCOT (secs)	4.6		3.6
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	1Gb (Shared)
Copier Max. Mem. MB	320mb	640mb	1Gb (Shared)
HDD	Opt 80Gb	Std 80Gb	Opt (60Gb)
e-Sort	Std		Std
Account Numbers	1,000		1,000 with HDD
Machine Size (WxDxH)	645x670x953	645x695x953	677x708x1150
Job Programs	48		30

\* 2400x600 is enhanced resolution. 600x600 unenhanced

Manufacturer	SHARP		Konica Minolta
Model	M363U	M363N	Bizhub 361
<b>Document Feeder</b>	<b>Std</b>		<b>Std</b>
Type	RSPF	DSPF	RADF
Capacity	100		80
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Print Std. Mem. (ppm)	36		36
Print Resolution	600dpi	1200dpi	2400x600*dpi
Confidential Print	Std		Std with printer opt
XPS	Opt		No
Postscript	Opt		Std with printer opt
PCL	5e, 6 Std		5e, 6 with printer opt
Apple	Opt		Std with printer opt
Print Std. Mem. MB	1Gb		1Gb (Shared)
Print Max Mem. MB	2Gb		1Gb (Shared)
USB	Std		Std with printer opt
Gigabit Ethernet	Opt	Std	Std
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		Yes
JBIG Compression	Yes		Yes
i-Fax	Opt		Yes
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Type	Mono	Colour	Mono
Resolution	600x600		600x600
Destinations	Desktop/FTP/email/SMB/USB		Email/FTP/SMB/HDD/USB/WebDAV/Net TWAIN
Functionality	Sharpdesk		PageScope
Document Filing	Opt	Std	Std
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		1,200
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M363U & MX-M363N
<ul style="list-style-type: none"> <li>• Std network printer (N model only)</li> <li>• Larger paper support</li> <li>• Heavier paper support (trays, bypass, and duplex)</li> <li>• Separate print and copy memory</li> <li>• More accounts as std</li> <li>• Larger capacity HDD</li> <li>• Smaller footprint</li> <li>• More job programs</li> <li>• Higher capacity document feeder</li> <li>• Document feeder is DSPF (N model only)</li> <li>• Higher unenhanced resolution printing (N model only)</li> <li>• XPS printing option</li> <li>• Scanner is std (N model only)</li> <li>• Colour scanning (N model only)</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Konica Minolta Bizhub 361
<ul style="list-style-type: none"> <li>• Higher std &amp; max paper capacity (by 50 sheets each)</li> <li>• Higher capacity bypass (by 50 sheets)</li> <li>• Faster FCOT</li> <li>• More copier memory (albeit shared with printing)</li> <li>• Network TWAIN scanning</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M363U & MX-M363N Vs. Konica Minolta Bizhub 362**



Manufacturer	SHARP		Konica Minolta
Model	M363U	M363N	Bizhub 362
Launch Date	June 2009		January 2009
Also Sold As	N/A		N/A
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Network Printer	Opt	Std	Std
Network Scanning	Opt	Std	Std
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		4
Total Sheets Std.	1,100		1,150
Max. Paper Sheets	5,600		3,650
No of sheets (Bypass)	100		150
gsm – Tray (bypass)	209 (209)		105 (210)
Duplex (gsm)	Std (209)		Std (90)
Warm up time (secs)	20		24
<b>Copier</b>	<b>Std</b>	<b>Std</b>	<b>Std</b>
Copy/min. (cpm)	36		36
FCOT (secs)	4.6		4.8
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	192mb (shared)
Copier Max. Mem. MB	320mb	640mb	320mb (shared)
HDD	Opt 80Gb	Std 80Gb	Opt 40Gb
e-Sort	Std		Std
Account Numbers	1,000		1,000
Machine Size (WxDxH)	645x670x953	645x695x953	677x710x718
Job Programs	48		10

\* 2400x600 is enhanced resolution. 600x600 unenhanced

Manufacturer	SHARP		Konica Minolta
Model	M363U	M363N	Bizhub 362
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	RADF
Capacity	100		80
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Print/min. (ppm)	36		36
Print Resolution	600dpi	1200dpi	600dpi
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Std
PCL	5e, 6 Std		PCL 6 Std
Apple	Opt		Std
Print Std. Mem. MB	1Gb		192mb (shared)
Print Max Mem. MB	2Gb		320mb (shared)
USB	Std		Std
Gigabit Ethernet	Opt	Std	No
<b>Fax</b>	<b>Opt</b>	<b>Opt</b>	<b>Opt</b>
Super G3	Yes		Yes
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Type	Mono	Colour	Mono
Resolution	600x600		600x600
Destinations	Desktop/FTP/email/SMB/USB		Email/FTP/SMB std Net TWAIN (with HDD)
Functionality	Sharpdesk		
Document Filing	Opt	Std	Opt
<b>Finishing</b>	<b>Opt</b>	<b>Opt</b>	<b>Opt</b>
Max Capacity (sheets)	4,000		1,200
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M363U & MX-M363N
<ul style="list-style-type: none"> <li>• Larger paper support</li> <li>• More max paper cassettes available</li> <li>• Higher max paper capacity</li> <li>• Heavier paper support (trays &amp; duplex)</li> <li>• Faster warm-up time</li> <li>• Faster FCOT</li> <li>• Separate print and copy memory</li> <li>• More print and copy memory</li> <li>• Larger capacity HDD</li> <li>• Smaller footprint</li> <li>• More job programs</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• Higher capacity document feeder</li> <li>• Gigabit Ethernet (N model only)</li> <li>• Standard document feeder</li> <li>• Higher print resolution (N models only)</li> <li>• XPS printing option</li> <li>• Gigabit Ethernet</li> <li>• Colour scanning (N model only)</li> <li>• Std document filing (N model only)</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Konica Minolta Bizhub 362
<ul style="list-style-type: none"> <li>• Higher std paper capacity (1150 sheets vs 1100)</li> <li>• Higher capacity bypass</li> <li>• Std PS3/ Apple support</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ Sharp MX-M363U & MX-M363N Vs. Kyocera KM-4050



Manufacturer	SHARP		Kyocera
Model	M363U	M363N	KM-4050
Launch Date	June 2009		July 2006
Also Sold As	N/A		N/A
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Network Printer	Opt	Std	Std
Network Scanning	Opt	Std	Std
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		3
Total Sheets Std.	1,100		1,200
Max. Paper Sheets	5,600		4,200
No of sheets (Bypass)	100		200
gsm - Tray (bypass)	209 (209)		105 (200)
Duplex (gsm)	Std (209)		Std (80)
Warm up time (secs)	20		30
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	36		40
FCOT (secs)	4.6		3.5
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	512mb (shared)
Copier Max. Mem. MB	320mb	640mb	1Gb (shared)
HDD	Opt 80Gb	Std 80Gb	Std (80Gb)
e-Sort	Std		Std
Account Numbers	1,000		1,000
Machine Size (WxDxH)	645x670x953	645x695x953	599x646x745
Job Programs	48		50

Manufacturer	SHARP		Kyocera
Model	M363U	M363N	KM-4050
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	RADF
Capacity	100		100
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Print/min. (ppm)	36		40
Print Resolution	600dpi	1200dpi	1200dpi
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Std
PCL	5e, 6 Std		PCL 6 std
Apple	Opt		Std
Print Std. Mem. MB	1Gb		512mb (shared)
Print Max Mem. MB	2Gb		1Gb (shared)
USB	Std		Std
Gigabit Ethernet	Std		No
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		Yes
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Type	Mono	Colour	Colour
Resolution	600x600		600x600
Destinations	Desktop/FTP/email/SMB/USB		Email/FTP/SMB/HDD/network TWAIN
Functionality	Sharpdesk		KM-Net Viewer
Document Filing	Opt	Std	Std
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		3,000
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M363U & MX-M363N	Advantages of Kyocera KM-4050
<ul style="list-style-type: none"> <li>• Larger paper support</li> <li>• More paper cassettes available</li> <li>• Higher max. paper capacity</li> <li>• Heavier paper support (trays, bypass, and duplex)</li> <li>• Faster warm-up time</li> <li>• Separate print and copy memory</li> <li>• More std copier memory (N model only)</li> <li>• Standard document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• XPS printing option</li> <li>• PCL 5e support</li> <li>• More print memory (std and max.)</li> <li>• Gigabit Ethernet</li> <li>• Scan to / print from USB</li> <li>• Higher capacity finisher</li> </ul>	<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Higher std paper capacity (1,200 sheets vs 1,100)</li> <li>• Higher capacity bypass</li> <li>• Faster FCOT</li> <li>• Smaller footprint</li> <li>• More job programs</li> <li>• PostScript support as std</li> </ul>



**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M363U & MX-M363N Vs. Ricoh Aficio MP 3350B**

Manufacturer	SHARP		Ricoh
Model	M363U	M363N	Aficio MP 3350B
Launch Date	June 2009		January 2008
Also Sold As	N/A		Gestetner/Nashua/ Rex-Rotary MP3350B
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Network Printer	Opt	Std	Opt
Network Scanning	Opt	Std	Opt
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		3
Total Sheets Std.	1,100		1,000
Max. Paper Sheets	5,600		3,100
No of sheets (Bypass)	100		100 (opt)
gsm - Tray (bypass)	209 (209)		105 (157)
Duplex (gsm)	Std (209)		Opt (105)
Warm up time (secs)	20		14
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	36		33
FCOT (secs)	4.6		4.5
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	256mb (shared)
Copier Max. Mem. MB	320mb	640mb	512mb (shared)
HDD	Opt 80Gb	Std 80Gb	Opt (40Gb)
e-Sort	Std		Std
Account Numbers	1,000		500
Machine Size (WxDxH)	645x670x 953	645x695x 953	570x653x709
Job Programs	48		10

Manufacturer	SHARP		Ricoh
Model	M363U	M363N	Aficio MP 3350B
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	RADF
Capacity	100		50
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Print/min. (ppm)	36		33
Print Resolution	600dpi	1200dpi	600x600dpi
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Additional Opt
PCL	5e, 6 Std		Std with printer
Apple	Opt		Additional Opt
Print Std. Mem. MB	1Gb		256mb (shared)
Print Max Mem. MB	2Gb		512mb (shared)
USB	Std		Std with printer
Gigabit Ethernet	Std		No
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		G3
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Type	Mono	Colour	Mono
Resolution	600x600		1200dpi (TWAIN)
Destinations	Desktop/FTP/email/ SMB/USB		Email/Net TWAIN/SMB/FTP/NCP
Functionality	Sharpdesk		
Document Filing	Opt	Std	No
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		1,250
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M363U & MX-M363N
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Std network printer and scanning (N model only)</li> <li>• Larger paper support</li> <li>• More paper cassettes available</li> <li>• Higher paper capacity (std &amp; max)</li> <li>• Std bypass</li> <li>• Heavier paper support (trays &amp; bypass)</li> <li>• Separate print and copy memory</li> <li>• Larger HDD capacity</li> <li>• More user accounts and job programs</li> <li>• Standard document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• Higher print resolution (N model only)</li> <li>• XPS printing option</li> <li>• More printer memory</li> <li>• Gigabit Ethernet</li> <li>• Colour scanning (N model only)</li> <li>• Scan to/ print from USB</li> <li>• Document Filing</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Ricoh Aficio MP 3350B
<ul style="list-style-type: none"> <li>• Faster warm-up time</li> <li>• Slightly faster FCOT (4.5 sec. Vs 4.6)</li> <li>• Smaller footprint</li> <li>• Higher resolution scanning (TWAIN only)</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M363U & MX-M363N Vs. Ricoh Aficio MP 3350**

Manufacturer	SHARP		Ricoh
Model	M363U	M363N	Aficio MP 3350
Launch Date	June 2009		January 2008
Also Sold As	N/A		Gestetner/Nashua/ Rex-Rotary MP3350
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Network Printer	Opt	Std	Std
Network Scanning	Opt	Std	Std
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		3
Total Sheets Std.	1,100		1,000
Max. Paper Sheets	5,600		3,100
No of sheets (Bypass)	100		100 (opt)
gsm - Tray (bypass)	209 (209)		105 (157)
Duplex (gsm)	Std (209)		Opt (105)
Warm up time (secs)	20		14
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	36		33
FCOT (secs)	4.6		4.5
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	768mb (shared)
Copier Max. Mem. MB	320mb	640mb	768mb (shared)
HDD	Opt 80Gb	Std 80Gb	Std (40Gb)
e-Sort	Std		Std
Account Numbers	1,000		500
Machine Size (WxDxH)	645x670x 953	645x695x 953	570x653x709
Job Programs	48		10

Manufacturer	SHARP		Ricoh
Model	M363U	M363N	Aficio MP 3350
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	RADF
Capacity	100		50
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Print/min. (ppm)	36		33
Print Resolution	600dpi	1200dpi	600x600dpi
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Opt
PCL	5e, 6 Std		Std
Apple	Opt		Opt
Print Std. Mem. MB	1Gb		768mb (shared)
Print Max Mem. MB	2Gb		768mb (shared)
USB	Std		Std
Gigabit Ethernet	Std		No
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		G3
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Type	Mono	Colour	Colour
Resolution	600x600		1200dpi (TWAIN)
Destinations	Desktop/FTP/email/ SMB/USB		Email/Net TWAIN/SMB/FTP/NCP
Functionality	Sharpdesk		
Document Filing	Opt	Std	No
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		1,250
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

<b>Advantages of Sharp MX-M363U &amp; MX-M363N</b>
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Larger paper support</li> <li>• More paper cassettes available</li> <li>• Higher paper capacity (std &amp; max)</li> <li>• Std bypass</li> <li>• Heavier paper support (trays, bypass, and duplex)</li> <li>• Larger HDD capacity</li> <li>• More user accounts and job programs</li> <li>• Standard document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• Higher print resolution (N model only)</li> <li>• XPS printing option</li> <li>• More printer memory</li> <li>• Gigabit Ethernet</li> <li>• Scan to/ print from USB</li> <li>• Document Filing</li> <li>• Higher capacity finisher</li> </ul>

<b>Advantages of Ricoh Aficio MP 3350</b>
<ul style="list-style-type: none"> <li>• Faster warm-up time</li> <li>• More copier memory (albeit shared)</li> <li>• Slightly faster FCOT (4.5 sec. Vs 4.6)</li> <li>• Smaller footprint</li> <li>• Higher resolution scanning (TWAIN only)</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M363U & MX-M363N Vs. Ricoh Aficio MP 3500**



Manufacturer	SHARP		Ricoh
Model	M363U	M363N	Aficio MP 3500
Launch Date	June 2009		January 2007
Also Sold As	N/A		Gestetner/Nashuatec/ Rex-Rotary MP 3500
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Network Printer	Opt	Std	Opt
Network Scanning	Opt	Std	Opt
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		5
Total Sheets Std.	1,100		1,050
Max. Paper Sheets	5,600		3,550
No of sheets (Bypass)	100		50
gsm - Tray (bypass)	209 (209)		105 (163)
Duplex	Std (209gsm)		Std (105)
Warm up time (secs)	20		15
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	36		35
FCOT (secs)	4.6		4.3
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	128mb (shared)
Copier Max. Mem. MB	320mb	640mb	384mb (shared)
HDD	Opt 80Gb	Std 80Gb	Opt 40Gb
e-Sort	Std		Std
Account Numbers	1,000		100 (500 opt)
Machine Size (WxDxH)	645x670x 953	645x695x 953	670x650x720
Job Programs	48		10

Manufacturer	SHARP		Ricoh
Model	M363U	M363N	Aficio MP 3500
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	ARDF
Capacity	100		80
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Print/min. (ppm)	36		35
Print Resolution	600dpi	1200dpi	600x600dpi
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Additional Option
PCL	5e, 6 Std		Std with printer
Apple	Opt		Additional option
Print Std. Mem. MB	1Gb		384mb (shared)
Print Max Mem. MB	2Gb		384mb (shared)
USB	Std		Std with printer
Gigabit Ethernet	Std		No
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		G3
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Type	Mono	Colour	Mono
Resolution	600x600		1200dpi (TWAIN)
Destinations	Desktop/FTP/email/ SMB/USB		Email/Net TWAIN/SMB/FTP/NCP
Functionality	Sharpdesk		
Document Filing	Opt	Std	No
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		2,500
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M363U & MX-M363N	Advantages of Ricoh Aficio MP 3500
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Standard network printer and scanning</li> <li>• Larger paper support</li> <li>• Higher paper capacity (std &amp; max.)</li> <li>• Heavier paper support (trays, bypass and duplex)</li> <li>• Separate print and copy memory (and more of it)</li> <li>• Larger HDD capacity</li> <li>• More user accounts and job programs</li> <li>• Smaller footprint</li> <li>• Standard (higher capacity) document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• Higher print resolution (N model only)</li> <li>• XPS printing option</li> <li>• Gigabit Ethernet</li> <li>• Fax is Super G3</li> <li>• Colour scanning (N model only)</li> <li>• Document Filing</li> <li>• Higher capacity finisher</li> </ul>	<ul style="list-style-type: none"> <li>• Faster warm-up time</li> <li>• Faster FCOT</li> <li>• Higher resolution scanning (TWAIN only)</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ Sharp MX-M363U & MX-M363N Vs. Toshiba e-Studio 353



Manufacturer	SHARP		Toshiba
Model	M363U	M363N	e-Studio 353
Launch Date	June 2009		December 2007
Also Sold As	N/A		N/A
Multifunctionality	Opt	Std	Opt
Network Printer	Opt	Std	Opt
Network Scanning	Opt	Std	Opt
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		4
Total Sheets Std.	1,100		1,200
Max. Paper Sheets	5,600		3,700
No of sheets (Bypass)	100		100
gsm - Tray (bypass)	209 (209)		105 (209)
Duplex (gsm)	Std (209)		Std (105)
Warm up time (secs)	20		20
Copier	Std		Std
Copy/min. (cpm)	36		35
FCOT (secs)	4.6		3.9
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	288mb (shared)
Copier Max. Mem. MB	320mb	640mb	544mb (shared)
HDD	Opt 80Gb	Std 80Gb	Std (40Gb)
e-Sort	Std		Std
Account Numbers	1,000		10,000
Machine Size (WxDxH)	645x670x953	645x695x953	660x758x739
Job Programs	48		12,060

Manufacturer	SHARP		Toshiba
Model	M363U	M363N	e-Studio 353
Document Feeder	Std		Opt
Type	RSPF	DSPF	RADF
Capacity	100		100
Network Printer	Opt	Std	Opt
Print/min. (ppm)	36		35
Print Resolution	600dpi	1200dpi	2400x600 (enhanced)
Confidential Print	Std		Std
XPS	Opt		Additional Option
Postscript	Opt		Std with printer
PCL	5e, 6 Std		Std with printer
Apple	Opt		Std with printer
Print Std. Mem. MB	1Gb		288mb (shared)
Print Max Mem. MB	2Gb		544mb (shared)
USB	Std		Std with printer
Gigabit Ethernet	Std		No
Fax	Opt		Opt
Super G3	Yes		Yes
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
Network Scanning	Opt	Std	Opt
Type	Mono	Colour	Mono
Resolution	600x600		600x600
Destinations	Desktop/FTP/email/SMB/USB		Email/HDD/SMB/FTP/TWAIN
Functionality	Sharpdesk		
Document Filing	Opt	Std	Opt
Finishing	Opt		Opt
Max Capacity (sheets)	4,000		2,250
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M363U & MX-M363N
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Standard printer and scanning (N model only)</li> <li>• Larger paper support</li> <li>• Higher max. paper capacity</li> <li>• More paper cassettes available</li> <li>• Heavier paper support (trays &amp; duplex)</li> <li>• Separate print and copy memory</li> <li>• Larger HDD capacity</li> <li>• More memory</li> <li>• Smaller footprint</li> <li>• Std document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• Gigabit Ethernet</li> <li>• Colour scanning (N model only)</li> <li>• Document Filing</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Toshiba e-Studio 353
<ul style="list-style-type: none"> <li>• Higher std paper capacity (1200 sheets vs 1100)</li> <li>• Faster FCOT (3.9 sec. vs 4.6)</li> <li>• More user accounts</li> <li>• More job programs</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ Sharp MX-M453U & MX-M453N Vs. Canon iR3245



Manufacturer	SHARP		Canon
Model	M453U	M453N	iR3245
Launch Date	June 2009		August 2008
Also Sold As	N/A		N/A
Multifunctionality	Opt	Std	Opt
Network Printer	Opt	Std	Opt
Network Scanning	Opt	Std	Opt
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		5
Total Sheets Std.	1,100		1,150
Max. Paper Sheets	5,600		4,950
No of sheets (Bypass)	100		50
gsm – Tray (bypass)	209 (209)		90 (128)
Duplex (gsm)	Std (209)		Std (90)
Warm up time (secs)	20		30
Copier	Std		Std
Copy/min. (cpm)	45		45
FCOT (secs)	3.9		3.9
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	768mb (shared)
Copier Max. Mem. MB	320mb	640mb	1768mb (shared)
HDD	Opt 80Gb	Std 80Gb	Std (60Gb)
e-Sort	Std		Std
Account Numbers	1,000		1,000
Machine Size (WxDxH)	645x670x953	645x695x953	565x700x761
Job Programs	48		9

Manufacturer	SHARP		Canon
Model	M453U	M453N	iR3245
Document Feeder	Std		Opt
Type	RSPF	DSPF	RSPF
Capacity	100		100
Network Printer	Opt	Std	Opt
Print/min. (ppm)	45		45
Print Resolution	600dpi	1200dpi	1200x1200dpi
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Additional Option
PCL	With opt	5e, 6 Std	Std with printer opt
Apple	Opt		Additional Option
Print Std. Mem. MB	1Gb		768mb (shared)
Print Max Mem. MB	2Gb		1768mb (shared)
USB	Std		Std with printer opt
Gigabit Ethernet	Std		Std with printer opt
Fax	Opt		Opt
Super G3	Yes		Yes
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
Network Scanning	Opt	Std	Opt
Type	Mono	Colour	Colour
Resolution	600x600		600x600
Destinations	Desktop/FTP/email/SMB/USB		Email/I-FAX/FTP/SMB/NCP/iWDM/WebDAV
Functionality	Sharpdesk		
Document Filing	Opt	Std	No
Finishing	Opt		Opt
Max Capacity (sheets)	4,000		1,600
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

\* 2400x600 is enhanced resolution. 600x600 unenhanced

Advantages of Sharp MX-M453U & MX-M453N	Advantages of Canon iR3245
<ul style="list-style-type: none"> <li>• Standard network printer and scanning (N model only)</li> <li>• Larger paper support</li> <li>• Higher max. paper capacity</li> <li>• Heavier paper support (trays, bypass, and duplex)</li> <li>• Faster warm-up time</li> <li>• Separate print and copy memory</li> <li>• Larger HDD capacity</li> <li>• More job programs</li> <li>• Standard document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• XPS printing option</li> <li>• More printer memory (std and max)</li> <li>• Scan to / print from USB</li> <li>• Document Filing</li> <li>• Higher capacity finisher</li> </ul>	<ul style="list-style-type: none"> <li>• Higher std paper capacity (1150 sheets vs 1100)</li> <li>• More copy memory (albeit shared)</li> <li>• Smaller footprint</li> </ul>

# MX-M503N/U 453N/U MX-M363N/U 283N SALES GUIDE



## ■ Sharp MX-M453U & MX-M453N Vs. Canon iR3245N



Manufacturer	SHARP		Canon
Model	M453U	M453N	iR3245N
Launch Date	June 2009		August 2008
Also Sold As	N/A		N/A
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Network Printer	Opt	Std	Std
Network Scanning	Opt	Std	Opt
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		5
Total Sheets Std.	1,100		1,150
Max. Paper Sheets	5,600		4,950
No of sheets (Bypass)	100		50
gsm – Tray (bypass)	209 (209)		90 (128)
Duplex (gsm)	Std (209)		Std (90)
Warm up time (secs)	20		35
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	45		45
FCOT (secs)	3.9		3.9
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	1,256mb (shared)
Copier Max. Mem. MB	320mb	640mb	1,768mb (shared)
HDD	Opt 80Gb	Std 80Gb	Std (60Gb)
e-Sort	Std		Std
Account Numbers	1,000		1,000
Machine Size (WxDxH)	645x670x953	645x695x953	565x700x901
Job Programs	48		9

Manufacturer	SHARP		Canon
Model	M453U	M453N	iR3245N
<b>Document Feeder</b>	<b>Std</b>		<b>Std</b>
Type	RSPF	DSPF	RSPF
Capacity	100		100
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Print/min. (ppm)	45		45
Print Resolution	600dpi	1200dpi	1200x1200dpi
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Opt
PCL	With opt	5e, 6 Std	5e, 6 Std
Apple	Opt		Opt
Print Std. Mem. MB	1Gb		1,256mb (shared)
Print Max Mem. MB	2Gb		1,768mb (shared)
USB	Std		Std
Gigabit Ethernet	Std		Std
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		Yes
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Type	Mono	Colour	Colour
Resolution	600x600		600x600
Destinations	Desktop/FTP/email/SMB/USB		Email/I-FAX/FTP/SMB/NCP/iWDM/WebDAV
Functionality	Sharpdesk		
Document Filing	Opt	Std	No
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		1,600
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

\* 2400x600 is enhanced resolution. 600x600 unenhanced

Advantages of Sharp MX-M453U & MX-M453N	Advantages of Canon iR3245N
<ul style="list-style-type: none"> <li>Standard network scanning (N model only)</li> <li>Larger paper support</li> <li>Higher max. paper capacity</li> <li>Heavier paper support (trays, bypass, and duplex)</li> <li>Faster warm-up time</li> <li>Separate print and copy memory</li> <li>Larger HDD capacity</li> <li>More job programs</li> <li>Document feeder is a DSPF (N model only)</li> <li>XPS printing option</li> <li>More printer memory (max)</li> <li>Scan to / print from USB</li> <li>Document Filing</li> <li>Higher capacity finisher</li> </ul>	<ul style="list-style-type: none"> <li>Higher std paper capacity (1150 sheets vs 1100)</li> <li>More copy memory (albeit shared)</li> <li>Smaller footprint</li> </ul>



**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M453U & MX-M453N Vs. Konica Minolta Bizhub 421**



Manufacturer	SHARP		Konica Minolta
Model	M453U	M453N	Bizhub 421
Launch Date	June 2009		June 2008
Also Sold As	N/A		Oce VL3622, Develop Ineo 361
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Network Printer	Opt	Std	Opt
Network Scanning	Opt	Std	Std
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		5
Total Sheets Std.	1,100		1,150
Max. Paper Sheets	5,600		5,650
No of sheets (Bypass)	100		150
gsm – Tray (bypass)	209 (209)		105 (210)
Duplex (gsm)	Std (209)		Std (105)
Warm up time (secs)	20		30
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	45		42
FCOT (secs)	3.9		3.6
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	1Gb (Shared)
Copier Max. Mem. MB	320mb	640mb	1Gb (Shared)
HDD	Opt 80Gb	Std 80Gb	Opt (60Gb)
e-Sort	Std		Std
Account Numbers	1,000		1,000 with HDD
Machine Size (WxDxH)	645x670x953	645x695x953	677x708x1150
Job Programs	48		30

\* 2400x600 is enhanced resolution. 600x600 unenhanced

Manufacturer	SHARP		Konica Minolta
Model	M453U	M453N	Bizhub 421
<b>Document Feeder</b>	<b>Std</b>		<b>Std</b>
Type	RSPF	DSPF	RADF
Capacity	100		80
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Print/min. (ppm)	45		42
Print Resolution	600dpi	1200dpi	2400x600*
Confidential Print	Std		Std with printer opt
XPS	Opt		No
Postscript	Opt		Std with printer opt
PCL	5e, 6 Std		5e, 6 with printer opt
Apple	Opt		Std with printer opt
Print Std. Mem. MB	1Gb		1Gb (Shared)
Print Max Mem. MB	2Gb		1Gb (Shared)
USB	Std		Std with printer opt
Gigabit Ethernet	Std		Std
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		Yes
JBIG Compression	Yes		Yes
i-Fax	Opt		Yes
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Type	Mono	Colour	Mono
Resolution	600x600		600x600
Destinations	Desktop/FTP/email/ SMB/USB		Email/FTP/SMB/HDD/U SB/WebDAV/Net TWAIN
Functionality	Sharpdesk		PageScope
Document Filing	Opt	Std	Std
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		1,200
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M453U & MX-M453N
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Standard network printer (N model only)</li> <li>• Larger paper support</li> <li>• Heavier paper support (trays &amp; duplex)</li> <li>• Faster warm-up time</li> <li>• Separate print and copy memory</li> <li>• More accounts as std</li> <li>• Larger HDD capacity</li> <li>• Smaller footprint</li> <li>• More job programs</li> <li>• Higher capacity document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• Higher unenhanced resolution printing (N model only)</li> <li>• XPS printing option</li> <li>• Colour scanning (N model only)</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Konica Minolta Bizhub 421
<ul style="list-style-type: none"> <li>• Higher std &amp; max paper capacity (by 50 sheets each)</li> <li>• Higher capacity bypass (by 50 sheets)</li> <li>• Heavier paper support (bypass)</li> <li>• Faster FCOT</li> <li>• More copier memory (albeit shared with printing)</li> <li>• Network TWAIN scanning</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M453U & MX-M453N Vs. Kyocera KM-4050**



Manufacturer	SHARP		Kyocera
Model	M453U	M453N	KM-4050
Launch Date	June 2009		July 2006
Also Sold As	N/A		N/A
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Network Printer	Opt	Std	Std
Network Scanning	Opt	Std	Std
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		3
Total Sheets Std.	1,100		1,200
Max. Paper Sheets	5,600		4,200
No of sheets (Bypass)	100		200
gsm - Tray (bypass)	209 (209)		105 (200)
Duplex (gsm)	Std (209)		Std (80)
Warm up time (secs)	20		30
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	45		40
FCOT (secs)	3.9		3.5
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	512mb (shared)
Copier Max. Mem. MB	320mb	640mb	1Gb (shared)
HDD	Opt 80Gb	Std 80Gb	Std (80Gb)
e-Sort	Std		Std
Account Numbers	1,000		1,000
Machine Size (WxDxH)	645x670x953	645x695x953	599x646x745
Job Programs	48		50

Manufacturer	SHARP		Kyocera
Model	M453U	M453N	KM-4050
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	RADF
Capacity	100		100
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Print/min. (ppm)	45		40
Print Resolution	600dpi	1200dpi	1200dpi
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Std
PCL	5e, 6 Std		PCL 6 std
Apple	Opt		Std
Print Std. Mem. MB	1Gb		512mb (shared)
Print Max Mem. MB	2Gb		1Gb (shared)
USB	Std		Std
Gigabit Ethernet	Std		No
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		Yes
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Type	Mono	Colour	Colour
Resolution	600x600		600x600
Destinations	Desktop/FTP/email/SMB/USB		Email/FTP/SMB/HDD/network TWAIN
Functionality	Sharpdesk		KM-Net Viewer
Document Filing	Opt	Std	Std
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		3,000
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M453U & MX-M453N	Advantages of Kyocera KM-4050
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Larger paper support</li> <li>• More paper cassettes available</li> <li>• Higher max. paper capacity</li> <li>• Heavier paper support (trays, bypass, and duplex)</li> <li>• Faster warm-up time</li> <li>• Separate print and copy memory</li> <li>• More std copier memory (N model only)</li> <li>• Standard document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• XPS printing option</li> <li>• PCL 5e support</li> <li>• More print memory (std and max.)</li> <li>• Gigabit Ethernet</li> <li>• Scan to / print from USB</li> <li>• Higher capacity finisher</li> </ul>	<ul style="list-style-type: none"> <li>• Higher std paper capacity (1200 sheets vs 1100)</li> <li>• Higher capacity bypass</li> <li>• Faster FCOT</li> <li>• Smaller footprint</li> <li>• More job programs</li> <li>• PostScript support as std</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ Sharp MX-M453U & MX-M453N Vs. Ricoh Aficio MP 4000B



Manufacturer	SHARP		Ricoh
Model	M453U	M453N	Aficio MP 4000B
Launch Date	June 2009		January 2008
Also Sold As	N/A		Gestetner/Infotec/Nashuatec/Rex Rotary MP 4000B
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Network Printer	Opt	Std	Opt
Network Scanning	Opt	Std	Opt
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		5
Total Sheets Std.	1,100		1,200
Max. Paper Sheets	5,600		,
No of sheets (Bypass)	100		100
gsm - Tray (bypass)	209 (209)		169 (220)
Duplex (gsm)	Std (209)		Std (169)
Warm up time (secs)	20		13
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	45		40
FCOT (secs)	3.9		4.1
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	256mb (shared)
Copier Max. Mem. MB	320mb	640mb	512mb (shared)
HDD	Opt 80Gb	Std 80Gb	Opt (40Gb)
e-Sort	Std		Std
Account Numbers	1,000		500
Machine Size (WxDxH)	645x670x953	645x695x953	670x677x910
Job Programs	48		10

Manufacturer	SHARP		Ricoh
Model	M453U	M453N	Aficio MP 4000B
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	ARDF
Capacity	100		100
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Print/min. (ppm)	45		40
Print Resolution	600dpi	1200dpi	600x600
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Additional Option
PCL	5e, 6 Std		Std with printer
Apple	Opt		Additional option
Print Std. Mem. MB	1Gb		256mb (shared)
Print Max Mem. MB	2Gb		512mb (shared)
USB	Std		Std with printer
Gigabit Ethernet	Std		Additional Option
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		G3
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Type	Mono	Colour	Mono
Resolution	600x600		1200 (TWAIN)
Destinations	Desktop/FTP/email/SMB/USB		TWAIN/email/SMB/FTP/NCP
Functionality	Sharpdesk		DeskTop Binder Lite
Document Filing	Opt	Std	No
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		3,000
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M453U & MX-M453N
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Standard printier and scanning (N model only)</li> <li>• Larger paper support</li> <li>• Higher max. paper capacity</li> <li>• Faster FCOT</li> <li>• Heavier paper support (trays &amp; duplex)</li> <li>• Separate print and copy memory</li> <li>• More print memory</li> <li>• Larger HDD capacity</li> <li>• More user accounts and job programs</li> <li>• Smaller footprint</li> <li>• Standard document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• Higher print resolution (N model only)</li> <li>• XPS printing option</li> <li>• Fax is Super G3</li> <li>• Colour scanning (N model only)</li> <li>• Scan to / print from USB</li> <li>• Document filing</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Ricoh Aficio MP 4000B
<ul style="list-style-type: none"> <li>• Higher std paper capacity (1200 sheets vs 1100)</li> <li>• Heaver paper support (bypass) (220gsm Vs 209)</li> <li>• Faster warm-up time (13 sec. Vs 20)</li> <li>• Higher resolution scanning (TWAIN only)</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M453U & MX-M453N Vs. Ricoh Aficio MP 4000**



Manufacturer	SHARP		Ricoh
Model	M453U	M453N	Aficio MP 4000
Launch Date	June 2009		January 2008
Also Sold As	N/A		Gestetner/Infotec/Nashuatec/Rex Rotary MP 4000
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Network Printer	Opt	Std	Std
Network Scanning	Opt	Std	Std
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		5
Total Sheets Std.	1,100		1,200
Max. Paper Sheets	5,600		4,400
No of sheets (Bypass)	100		100
gsm - Tray (bypass)	209 (209)		169 (220)
Duplex (gsm)	Std (209)		Std (169)
Warm up time (secs)	20		13
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	45		40
FCOT (secs)	3.9		4.1
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	768mb (shared)
Copier Max. Mem. MB	320mb	640mb	768mb (shared)
HDD	Opt 80Gb	Std 80Gb	Std (40Gb)
e-Sort	Std		Std
Account Numbers	1,000		500
Machine Size (WxDxH)	645x670x953	645x695x953	670x677x910
Job Programs	48		10

Manufacturer	SHARP		Ricoh
Model	M453U	M453N	Aficio MP 4000
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	ARDF
Capacity	100		100
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Print/min. (ppm)	45		40
Print Resolution	600dpi	1200dpi	600x600
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Additional Option
PCL	5e, 6 Std		Std with printer
Apple	Opt		Additional option
Print Std. Mem. MB	1Gb		768mb (shared)
Print Max Mem. MB	2Gb		768mb (shared)
USB	Std		Std with printer
Gigabit Ethernet	Std		Additional Option
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		G3
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Type	Mono	Colour	Colour
Resolution	600x600		1200 (TWAIN)
Destinations	Desktop/FTP/email/SMB/USB		TWAIN/email/SMB/FTP/NCP
Functionality	Sharpdesk		DeskTop Binder Lite
Document Filing	Opt	Std	No
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		3,000
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M453U & MX-M453N
<ul style="list-style-type: none"> <li>• Faster output</li> <li>• Larger paper support</li> <li>• Higher max. paper capacity</li> <li>• Heavier paper support (trays &amp; duplex)</li> <li>• Separate print and copy memory</li> <li>• More print memory</li> <li>• Faster FCOT</li> <li>• Larger HDD capacity</li> <li>• More user accounts &amp; job programs</li> <li>• Smaller footprint</li> <li>• Std document feeder</li> <li>• Document feeder is a DSPF. (N model only)</li> <li>• Higher print resolution (N model only)</li> <li>• XPS printing option</li> <li>• Fax is Super G3</li> <li>• Scan to / print from USB</li> <li>• Document filing</li> <li>• Higher capacity finisher available</li> </ul>

Advantages of Ricoh Aficio MP 4000
<ul style="list-style-type: none"> <li>• Higher std paper capacity (1200 sheets vs 1100)</li> <li>• Heavier paper support (bypass) (220gsm Vs 209)</li> <li>• Faster warm-up time (13 sec. Vs 20)</li> <li>• Higher resolution scanning (TWAIN only)</li> <li>• More copier memory (albeit shared)</li> </ul>

# MX-M503N/U 453N/U MX-M363N/U 283N SALES GUIDE



## ■ Sharp MX-M453U & MX-M453N Vs. Ricoh Aficio MP 4500



Manufacturer	SHARP		Ricoh
Model	M453U	M453N	Aficio MP 4500
Launch Date	June 2009		January 2007
Also Sold As	N/A		Gestetner/Nashuatec/ Rex-Rotary MP 3500
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Network Printer	Opt	Std	Opt
Network Scanning	Opt	Std	Opt
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		5
Total Sheets Std.	1,100		1,050
Max. Paper Sheets	5,600		3,550
No of sheets (Bypass)	100		50
gsm - Tray (bypass)	209 (209)		105 (163)
Duplex (gsm)	Std (209)		Std (105)
Warm up time (secs)	20		20
<b>Copier</b>	<b>Std</b>	<b>Std</b>	<b>Std</b>
Copy/min. (cpm)	45		45
FCOT (secs)	3.9		3.6
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	128mb (shared)
Copier Max. Mem. MB	320mb	640mb	384mb (shared)
HDD	Opt 80Gb	Std 80Gb	Opt 40Gb
e-Sort	Std		Std
Account Numbers	1,000		100 (500 opt)
Machine Size (WxDxH)	645x670x 953	645x695x 953	670x650x720
Job Programs	48		10

Manufacturer	SHARP		Ricoh
Model	M453U	M453N	Aficio MP 4500
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	ARDF
Capacity	100		80
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Print/min. (ppm)	45		45
Print Resolution	600dpi	1200dpi	600x600
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Additional Option
PCL	5e, 6 Std		Std with printer
Apple	Opt		Additional option
Print Std. Mem. MB	1Gb		384mb (shared)
Print Max Mem. MB	2Gb		384mb (shared)
USB	Std		Std with printer
Gigabit Ethernet	Std		No
<b>Fax</b>	<b>Opt</b>	<b>Opt</b>	<b>Opt</b>
Super G3	Yes		G3
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Type	Mono	Colour	Mono
Resolution	600x600		1200dpi (TWAIN)
Destinations	Desktop/FTP/email/ SMB/USB		Email/Net TWAIN/SMB/FTP/NCP
Functionality	Sharpdesk		
Document Filing	Opt	Std	No
<b>Finishing</b>	<b>Opt</b>	<b>Opt</b>	<b>Opt</b>
Max Capacity (sheets)	4,000		2,500
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M453U & MX-M453N
<ul style="list-style-type: none"> <li>• Standard network printer and scanning (N model only)</li> <li>• Larger paper support</li> <li>• Higher paper capacity (std &amp; max.)</li> <li>• Heavier paper support (trays, bypass and duplex)</li> <li>• Separate print and copy memory (and more of it)</li> <li>• Larger HDD capacity</li> <li>• More user accounts and job programs</li> <li>• Smaller footprint</li> <li>• Standard (higher capacity) document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• Higher print resolution (N model only)</li> <li>• XPS printing option</li> <li>• Gigabit Ethernet</li> <li>• Fax is Super G3</li> <li>• Colour scanning (N model only)</li> <li>• Document filing</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Ricoh Aficio MP 4500
<ul style="list-style-type: none"> <li>• Faster FCOT</li> <li>• Higher resolution scanning (TWAIN only)</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ Sharp MX-M453U & MX-M453N Vs. Toshiba e-Studio 453



Manufacturer	SHARP		Toshiba
Model	M453U	M453N	e-Studio 453
Launch Date	June 2009		December 2007
Also Sold As	N/A		N/A
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Network Printer	Opt	Std	Opt
Network Scanning	Opt	Std	Opt
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		4
Total Sheets Std.	1,100		1,200
Max. Paper Sheets	5,600		3,700
No of sheets (Bypass)	100		100
gsm - Tray (bypass)	209 (209)		105 (209)
Duplex (gsm)	Std (209)		Std (105)
Warm up time (secs)	20		20
<b>Copier</b>	<b>Std</b>	<b>Std</b>	<b>Std</b>
Copy/min. (cpm)	45		45
FCOT (secs)	3.9		3.9
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	288mb (shared)
Copier Max. Mem. MB	320mb	640mb	544mb (shared)
HDD	Opt 80Gb	Std 80Gb	Std (40Gb)
e-Sort	Std		Std
Account Numbers	1,000		10,000
Machine Size (WxDxH)	645x670x953	645x695x953	660x758x739
Job Programs	48		12,060

Manufacturer	SHARP		Toshiba
Model	M453U	M453N	e-Studio 453
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	RADF
Capacity	100		100
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Print/min. (ppm)	45		45
Print Resolution	600dpi	1200dpi	2400x600 (enhanced)
Confidential Print	Std		Std
XPS	Opt		Additional Option
Postscript	Opt		Std with printer
PCL	5e, 6 Std		Std with printer
Apple	Opt		Std with printer
Print Std. Mem. MB	1Gb		288mb (shared)
Print Max Mem. MB	2Gb		544mb (shared)
USB	Std		Std with printer
Gigabit Ethernet	Std		No
<b>Fax</b>	<b>Opt</b>	<b>Opt</b>	<b>Opt</b>
Super G3	Yes		Yes
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Type	Mono	Colour	Mono
Resolution	600x600		600x600
Destinations	Desktop/FTP/email/SMB/USB		Email/HDD/SMB/FTP/TWAIN
Functionality	Sharpdesk		
Document Filing	Opt	Std	Opt
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		2,250
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M453U & MX-M453N
<ul style="list-style-type: none"> <li>• Standard network printer &amp; scanning (N model only)</li> <li>• Larger paper support</li> <li>• Higher max. paper capacity</li> <li>• Heavier paper support (trays &amp; duplex)</li> <li>• Separate print and copy memory</li> <li>• Larger HDD capacity</li> <li>• More memory</li> <li>• Smaller footprint</li> <li>• Std document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• Gigabit Ethernet</li> <li>• Colour scanning (N model only)</li> <li>• Std document filing (N model only)</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Toshiba e-Studio 453
<ul style="list-style-type: none"> <li>• Higher std paper capacity (1,200 sheets vs 1,100)</li> <li>• More user accounts</li> <li>• More job programs</li> </ul>



# MX-M503N/U 453N/U MX-M363N/U 283N SALES GUIDE



## ■ Sharp MX-M503U & MX-M503N Vs. Konica Minolta Bizhub 501



Manufacturer	SHARP		Konica Minolta
Model	M503U	M503N	Bizhub 501
Launch Date	June 2009		June 2008
Also Sold As	N/A		Oce VL3622, Develop Ineo 361
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Network Printer	Opt	Std	Opt
Network Scanning	Opt	Std	Std
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		5
Total Sheets Std.	1,100		1,150
Max. Paper Sheets	5,600		5,650
No of sheets (Bypass)	100		150
gsm – Tray (bypass)	209 (209)		105 (210)
Duplex (gsm)	Std (209)		Std (105)
Warm up time (secs)	20		60
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	50		50
FCOT (secs)	3.9		3.2
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	1Gb (Shared)
Copier Max. Mem. MB	320mb	640mb	1Gb (Shared)
HDD	Opt 80Gb	Std 80Gb	Opt (60Gb)
e-Sort	Std		Std
Account Numbers	1,000		1,000 with HDD
Machine Size (WxDxH)	645x670x953	645x695x953	677x708x1150
Job Programs	48		30

\* 2400x600 is enhanced resolution. 600x600 unenhanced

Manufacturer	SHARP		Konica Minolta
Model	M503U	M503N	Bizhub 501
<b>Document Feeder</b>	<b>Std</b>		<b>Std</b>
Type	RSPF	DSPF	RADF
Capacity	100		80
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Print/min. (ppm)	50		50
Print Resolution	600dpi	1200dpi	2400x600*
Confidential Print	Std		Std with printer opt
XPS	Opt		No
Postscript	Opt		Std with printer opt
PCL	5e, 6 Std		5e, 6 with printer opt
Apple	Opt		Std with printer opt
Print Std. Mem. MB	1Gb		1Gb (Shared)
Print Max Mem. MB	2Gb		1Gb (Shared)
USB	Std		Std with printer opt
Gigabit Ethernet	Std		Std
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		Yes
JBIG Compression	Yes		Yes
i-Fax	Opt		Yes
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Type	Mono	Colour	Mono
Resolution	600x600		600x600
Destinations	Desktop/FTP/email/ SMB/USB		Email/FTP/SMB/HDD/ USB/WebDAV/Net TWAIN
Functionality	Sharpdesk		PageScope
Document Filing	Opt	Std	Std
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		1,200
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M503U & MX-M503N
<ul style="list-style-type: none"> <li>• Standard network printer (N model only)</li> <li>• Larger paper support</li> <li>• Heavier paper support (trays &amp; duplex)</li> <li>• Separate print and copy memory</li> <li>• More accounts as std</li> <li>• HDD is std</li> <li>• Larger HDD capacity</li> <li>• Smaller footprint</li> <li>• More job programs</li> <li>• Higher capacity document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• Higher unenhanced resolution printing (N model only)</li> <li>• XPS printing option</li> <li>• Colour scanning (N model only)</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Konica Minolta Bizhub 501
<ul style="list-style-type: none"> <li>• Higher std &amp; max paper capacity (by 50 sheets each)</li> <li>• Higher capacity bypass (by 50 sheets)</li> <li>• Heavier paper support (bypass)</li> <li>• Faster FCOT</li> <li>• More copier memory (albeit shared with printing)</li> <li>• Network TWAIN scanning</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ **Sharp MX-M503U & MX-M503N Vs. Kyocera KM-5050**



Manufacturer	SHARP		Kyocera
Model	M503U	M503N	KM-5050
Launch Date	June 2009		July 2006
Also Sold As	N/A		N/A
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Network Printer	Opt	Std	Std
Network Scanning	Opt	Std	Std
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		3
Total Sheets Std.	1,100		1,200
Max. Paper Sheets	5,600		4,200
No of sheets (Bypass)	100		200
gsm – Tray (bypass)	209 (209)		105 (200)
Duplex (gsm)	Std (209)		Std (80)
Warm up time (secs)	20		30
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	50		50
FCOT (secs)	3.9		3.5
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	512mb (shared)
Copier Max. Mem. MB	320mb	640mb	1Gb (shared)
HDD	Opt 80Gb	Std 80Gb	Std (80Gb)
e-Sort	Std		Std
Account Numbers	1,000		1,000
Machine Size (WxDxH)	645x670x953	645x695x953	599x646x745
Job Programs	48		50

Manufacturer	SHARP		Kyocera
Model	M503U	M503N	KM-5050
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	RADF
Capacity	100		100
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Print/min. (ppm)	50		50
Print Resolution	600dpi	1200dpi	1200dpi
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Std
PCL	5e, 6 Std		PCL 6 std
Apple	Opt		Std
Print Std. Mem. MB	1Gb		512mb (shared)
Print Max Mem. MB	2Gb		1Gb (shared)
USB	Std		Std
Gigabit Ethernet	Std		No
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		Yes
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Type	Mono	Colour	Colour
Resolution	600x600		600x600
Destinations	Desktop/FTP/email/SMB/USB		Email/FTP/SMB/HDD/network TWAIN
Functionality	Sharpdesk		KM-Net Viewer
Document Filing	Opt	Std	Std
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		3,000
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M503U & MX-M503N	Advantages of Kyocera KM-5050
<ul style="list-style-type: none"> <li>• Larger paper support</li> <li>• More paper cassettes available</li> <li>• Higher max. paper capacity</li> <li>• Heavier paper support (trays, bypass, and duplex)</li> <li>• Faster warm-up time</li> <li>• Separate print and copy memory</li> <li>• More std copier memory (N model only)</li> <li>• Standard document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• XPS printing option</li> <li>• PCL 5e support</li> <li>• More print memory (std and max.)</li> <li>• Gigabit Ethernet</li> <li>• Scan to / print from USB</li> <li>• Higher capacity finisher</li> </ul>	<ul style="list-style-type: none"> <li>• Higher std paper capacity (1,200 sheets vs 1,100)</li> <li>• Higher capacity bypass</li> <li>• Faster FCOT</li> <li>• Smaller footprint</li> <li>• More job programs</li> <li>• PostScript support as std</li> </ul>

**MX-M503N/U 453N/U  
MX-M363N/U 283N SALES GUIDE**



■ Sharp MX-M503U & MX-M503N Vs. Ricoh Aficio MP 5000B



Manufacturer	SHARP		Ricoh
Model	M503U	M503N	Aficio MP 5000B
Launch Date	June 2009		January 2008
Also Sold As	N/A		Gestetner/Infotec/Nashuatec/Rex Rotary MP 5000B
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Network Printer	Opt	Std	Opt
Network Scanning	Opt	Std	Opt
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		5
Total Sheets Std.	1,100		1,200
Max. Paper Sheets	5,600		4,400
No of sheets (Bypass)	100		100
gsm – Tray (bypass)	209 (209)		169 (220)
Duplex (gsm)	Std (209)		Std (169)
Warm up time (secs)	20		13
<b>Copier</b>	<b>Std</b>		<b>Std</b>
Copy/min. (cpm)	50		50
FCOT (secs)	3.9		3.5
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	256mb (shared)
Copier Max. Mem. MB	320mb	640mb	512mb (shared)
HDD	Opt 80Gb	Std 80Gb	Opt (40Gb)
e-Sort	Std		Std
Account Numbers	1,000		500
Machine Size (WxDxH)	645x670x953	645x695x953	670x677x910
Job Programs	48		10

Manufacturer	SHARP		Ricoh
Model	M503U	M503N	Aficio MP 5000B
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	ARDF
Capacity	100		100
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Print/min. (ppm)	50		50
Print Resolution	600dpi	1200dpi	600x600
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Additional Option
PCL	5e, 6 Std		Std with printer
Apple	Opt		Additional option
Print Std. Mem. MB	1Gb		256mb (shared)
Print Max Mem. MB	2Gb		512mb (shared)
USB	Std		Std with printer
Gigabit Ethernet	Std		Additional Option
<b>Fax</b>	<b>Opt</b>		<b>Opt</b>
Super G3	Yes		G3
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Opt</b>
Type	Mono	Colour	Mono
Resolution	600x600		1200 (TWAIN)
Destinations	Desktop/FTP/email/SMB/USB		TWAIN/email/SMB/FTP/NCP
Functionality	Sharpdesk		DeskTop Binder Lite
Document Filing	Opt	Std	No
<b>Finishing</b>	<b>Opt</b>		<b>Opt</b>
Max Capacity (sheets)	4,000		3,000
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M503U & MX-M503N
<ul style="list-style-type: none"> <li>• Standard printer &amp; scanning (N model only)</li> <li>• Larger paper support</li> <li>• Higher max. paper capacity</li> <li>• Heavier paper support (trays &amp; duplex)</li> <li>• Separate print and copy memory</li> <li>• Larger HDD capacity</li> <li>• More user accounts and job programs</li> <li>• Smaller footprint</li> <li>• Std document feeder</li> <li>• Document feeder is a DSPF. (N model only)</li> <li>• Higher print resolution (N model only)</li> <li>• XPS printing option</li> <li>• Fax is Super G3</li> <li>• Std colour scanning (N model only)</li> <li>• Scan to / print from USB</li> <li>• Document filing</li> <li>• Higher capacity finisher available</li> </ul>

Advantages of Ricoh Aficio MP 5000B
<ul style="list-style-type: none"> <li>• Higher std paper capacity (1,200 sheets vs 1,100)</li> <li>• Heaver paper support (bypass) (220gsm Vs 209)</li> <li>• Faster warm-up time (13 sec. Vs 20)</li> <li>• Faster FCOT</li> <li>• Higher resolution scanning (TWAIN only)</li> </ul>

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MX-M363N/U 283N SALES GUIDE**



■ Sharp MX-M503U & MX-M503N Vs. Ricoh Aficio MP 5000



Manufacturer	SHARP		Ricoh
Model	M503U	M503N	Aficio MP 5000
Launch Date	June 2009		January 2008
Also Sold As	N/A		Gestetner/Infotec/Nashuatec/Rex Rotary MP 5000
<b>Multifunctionality</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Network Printer	Opt	Std	Std
Network Scanning	Opt	Std	Std
Fax	Opt		Opt
Base Engine	Desktop		Desktop
Paper Max. Size	A3W		A3
Total Cassettes Std.	2		2
Total Cassettes Max.	5		5
Total Sheets Std.	1,100		1,200
Max. Paper Sheets	5,600		4,400
No of sheets (Bypass)	100		100
gsm – Tray (bypass)	209 (209)		169 (220)
Duplex (gsm)	Std (209)		Std (169)
Warm up time (secs)	20		13
<b>Copier</b>	<b>Std</b>	<b>Std</b>	<b>Std</b>
Copy/min. (cpm)	50		50
FCOT (secs)	3.9		3.5
Max. Original Size	A3		A3
Max. Qty. Select	999		999
Scanner Resolution	600x600		600x600
Zoom Range	25-400%		25-400%
Copier Std. Mem. MB	320mb	640mb	768mb (shared)
Copier Max. Mem. MB	320mb	640mb	768mb (shared)
HDD	Opt 80Gb	Std 80Gb	Std (40Gb)
e-Sort	Std		Std
Account Numbers	1,000		500
Machine Size (WxDxH)	645x670x953	645x695x953	670x677x910
Job Programs	48		10

Manufacturer	SHARP		Ricoh
Model	M503U	M503N	Aficio MP 5000
<b>Document Feeder</b>	<b>Std</b>		<b>Opt</b>
Type	RSPF	DSPF	ARDF
Capacity	100		100
<b>Network Printer</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Print/min. (ppm)	50		50
Print Resolution	600dpi	1200dpi	600x600
Confidential Print	Std		Std
XPS	Opt		No
Postscript	Opt		Additional Option
PCL	5e, 6 Std		Std with printer
Apple	Opt		Additional option
Print Std. Mem. MB	1Gb		768mb (shared)
Print Max Mem. MB	2Gb		768mb (shared)
USB	Std		Std with printer
Gigabit Ethernet	Std		Additional Option
<b>Fax</b>	<b>Opt</b>	<b>Opt</b>	<b>Opt</b>
Super G3	Yes		G3
JBIG Compression	Yes		Yes
i-Fax	Opt		Opt
<b>Network Scanning</b>	<b>Opt</b>	<b>Std</b>	<b>Std</b>
Type	Mono	Colour	Colour
Resolution	600x600		1200 (TWAIN)
Destinations	Desktop/FTP/email/SMB/USB		TWAIN/email/SMB/FTP/NCP
Functionality	Sharpdesk		DeskTop Binder Lite
Document Filing	Opt	Std	No
<b>Finishing</b>	<b>Opt</b>	<b>Opt</b>	<b>Opt</b>
Max Capacity (sheets)	4,000		3,000
Auto Stapler	Yes		Yes
Max Sheets Stapled	50		50
Offset Stacking	Yes		Yes

Advantages of Sharp MX-M503U & MX-M503N
<ul style="list-style-type: none"> <li>• Larger paper support</li> <li>• Higher max. paper capacity</li> <li>• Heavier paper support (trays &amp; duplex)</li> <li>• Separate print and copy memory</li> <li>• Larger HDD capacity</li> <li>• More user accounts</li> <li>• Smaller footprint</li> <li>• More job programs</li> <li>• Std document feeder</li> <li>• Document feeder is a DSPF (N model only)</li> <li>• Higher print resolution (N model only)</li> <li>• XPS printing option</li> <li>• Fax is Super G3</li> <li>• Scan to / print from USB</li> <li>• Document filing</li> <li>• Higher capacity finisher</li> </ul>

Advantages of Ricoh Aficio MP 5000
<ul style="list-style-type: none"> <li>• Higher std paper capacity (1,200 sheets vs 1,100)</li> <li>• Heavier paper support through bypass (220gsm Vs 209)</li> <li>• Faster warm-up time (13 sec. Vs 20)</li> <li>• Faster FCOT</li> <li>• Higher resolution scanning (TWAIN only)</li> <li>• More copier memory (albeit shared)</li> </ul>



## FEATURES LIST

### ■ General Setting Functions

Name	Description
Authority Group	Controls and restricts all user parameters.
Auto Clear	MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N returns to initial state after a certain period of inactivity.
Auto Power Shut-Off	Turns the machine off after it has remained idle for a preset amount of time. You can preset this shut-off time as desired.
Auto Tray Switching	Automatically switches to another paper tray filled with the same size paper if one of the trays runs out. Two or more trays must be filled with the same size paper to use this function.
Bi-Folding	Optional saddle stitch finisher can fold one sheet of paper respectively.
Clock	Time is adjusted automatically via the network by using either NTP or SNTP protocols.
Customise Key	Certain keys on the LCD control panel can be assigned to frequently used functions.
Device Cloning	Copies the data settings from one MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N and sends them to another MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N.
Device Control (Restricting)	Restricts the use of specified peripheral devices.
Display Contrast	Adjusts the contrast of the LCD control panel.
Display Language	Selects the display language.
E-mail Alert	Sends an e-mail to notify you of machine troubles (such as being out of toner or paper).
E-mail Status	Notifies you of machine status by sending e-mails on a regular basis.
Firmware Update	Provides diverse methods of updating firmware.
Function Review	Confirms the status of special functions in use just by touching an icon on the LCD control panel.
Job Priority	Places jobs in order of priority.
Job Status	Displays the status of jobs in progress as well as a list of finished jobs.
Key Touch Sound	Adjusts the volume of key touch sound.
Keyboard Select	Changes the keyboard on the LCD control panel. (English (US), English (UK), Japanese, French, German, Swedish, Norwegian, Finnish, Danish, Russian, Greek, Turkish)
Message Time Control	Selects the period of message display.
Metadata Set	Generates corresponding XML data when scanning an image.
Multi Access	Multiple jobs can be performed at the same time. (For example, while a large copy job is in progress, originals for the next copy job can be scanned. And as soon as the first job is finished, the second job starts automatically.)
Offset	Enables MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N to slightly shift multiple sets of documents to differentiate jobs from different users.
Sharp OSA (Sharp Open Systems Architecture)	Allows third-party software developers to easily customise the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N by integrating the MFP with their application, thus enhancing ease of use and boosting work efficiency. MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N support Sharp OSA ver2.0, Sharp OSA ver3.0, and ver3.2. (U model doesn't support flexible UI.)
Paper Type Registration	Registers types of paper other than the default settings, and makes it possible to restrict specific functions according to paper type.
Paper Tray Settings (Paper Type)	Specifies the designation of paper type (such as plain paper, recycled paper or coloured paper) for each paper tray.
Preheat Mode	The first level of power reduction on the MX-M503N/U, MX-M453N/U, MX-M363N/U, and

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Name	Description
	MX-M283N. After the machine has completed a job and no further machine operations have been performed, the power to the fuse unit is reduced.
Punch	The optional module automatically punches holes in output documents.
Remote Operation	The MFP operation panel and software keyboard can be displayed on users' PC. Users can perform the MFP operation panel and software keyboard from their PC.
Saddle Stitching and Folding	The optional Saddle Stitch Finisher automatically folds and staples output with two-page spreads. (Saddle Stitch finisher (MX-FN10) can also fold a sheet of paper without stapling.)
Service Setup	Via Web pages provided by the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N, you can configure the MFP from your computer using a Web browser (such as Netscape Navigator or Internet Explorer).
Staples	The optional Finisher or Saddle Stitch Finisher staples output documents together.
Total Count	Displays the number of times the machine has been used.
User Control (Auditing)	Allows the network administrator to monitor and control the amount of use accumulated by individual users. (New models can control more parameters.)

■ **General Connectivity**

Name	Description
Connection Test	Enables you to test the connection between the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N and mail/LDAP server using a Web browser screen on a PC.
LDAP	Lightweight Directory Access Protocol (LDAP) support simplifies the input of e-mail addresses by allowing the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N access to the address data stored on the LDAP servers.
IPv 6	IPv6 follows IPv4 as the next version of the Internet protocol formally adopted for general use.
Print Port	Supports four commonly used printer ports (10Base-T/100Base-TX/1000Base-T, and USB2.0).
Protocol	Supports four commonly used network protocols (TCP/IP, IPX/SPX, NetBEUI, and Ether Talk).

■ **Copy Functions**

Name	Description
A3 Full Bleed	Copies A3 originals without loss of image area. Image area: 297x420mm
Auto Image	Automatically selects the appropriate copy ratio according to the original document size and selected paper size.
Auto Paper Selection	Automatically selects the same paper size as the original document set on the platen or in the document feeder.
B/W Reverse	Reverses black and white in a copy to create a negative image. This function can only be used for black and white copying.
Book Copy	Makes copies of the two facing pages of an open book or other bound document.
Card Shot	Prints the front and back of an original onto a single side of paper.
Centring	Moves the image to the centre of the paper.
Copy Ratio (Preset)	In addition to the preset enlargement/reduction ratios, frequently used copy ratios can also be set.
Copy Set Setting	Specifies the number of copies by using the numeric keypad. (MAX 999)
Covers	Inserts a different type of paper (paper weight, colour, etc.) as a front and back cover of a copy job when using the document feeder.
Date Print	Prints the date in one of the four available formats: YYYY/MM/DD, MM/DD/YYYY, DD/MM/YYYY and MM/DD/YYYY.
Dual Page Copy	Produces separate copies of two documents placed side by side on the document glass.
Duplex Copying	Prints data on both sides of the paper.
Duplex via Bypass	Automatically prints data on both sides of paper fed from the manual bypass tray.



**MX-M503N/U 453N/U  
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Name	Description
E-sort (Electronic Sorting)	Automatically collates multiple sets of copies in page order without the aid of a sorter.
Erase	Erases shadows that appear around the edges of copies of books and other thick originals. (Edge erase) Erases the shadows that appear down the centre of books and other originals that open up. (Centre erase) Erases both the shadow lines around the edges of copies and the shadow at the centre. (Edge + Centre erase) Erases both the shadow lines around the sides of the copies and the shadow at the side. (Side erase)
Exposure	Selects one of Auto, Text, Text/Printed Photo, Printed photo, Text/Photo, Photo, or Map according to the type of originals being copied.
Extra Size	Enters non-standard copy paper size and/or original size and then automatically enlarges or reduces an image to best fit the paper.
Group	Groups output of large-volume copies by page.
Initial Status Settings	Customises the machine's default state.
Inserts	Inserts a different type of paper (paper weight, colour, etc.) in between pages as an insert using the document feeder.
Interrupt	Temporarily stops the job in progress and perform the interrupt copy job.
Job Build	Convenient for producing jobs with more pages of originals than the document feeder can hold. Combines multiple scanning jobs and copies them as one original set.
Job Programme	Stores frequently used copy settings such as density, copy ratio and other special functions for easy recall.
Job Reservation	Even while the MFP is copying, you can reserve the machine for the next copy job if the platen is free.
Margin Shift	Shifts the copy image right, left, or down to adjust the margin.
Mirror Image	Copies a mirror image of the document.
Mixed Size Original	Copies documents of different sizes that are fed through the document feeder. MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N can feed both 'Mixed size original: Same width' (For example, A4 and A3) and 'Mixed size original: Different width' (For example, A4 and B5)
Multi-Page Enlargement	Enlarges an original image to a size larger than A3 and prints the divided images onto multiple sheets of copy paper.
Multi Shot (2-in-1, 4-in-1)	Copies multiple originals onto a single sheet of paper in a uniform layout.
Original Count	Counts the number of scanned original sheets and displays it before copying.
Page Numbering	Prints the page number at the top or bottom of the paper.
Pamphlet Copy	Arranges copies in the proper order for eventual centre stapling and folding into a booklet.
Photo Repeat	Creates repeat images of a photo-size original onto a single sheet.
Proof Copy	Before copying multiple sets, you can output one set to be checked. The user can either modify settings as needed or output the remaining number of sets with a touch of the LCD control panel.
Preview*	Before copying data, data image, or data image and finish image can be checked at preview screen of touch panel.
Rotation Copy	When "auto paper select mode" or "automatic ratio selection" is in operation and the original is placed in a different orientation (vertical or horizontal) from the paper, the original image will be automatically rotated 90 degrees to enable correct copying onto the paper.
Slow Scan Mode	Scans documents at a reduced speed for thin documents to reduce misfeed.



Name	Description
SOPM (Scan Once Print Many)	A single scan can provide multiple sets of copies with memory and HDD storage of scanned images. -Less damage to the original document and less wear on the scanning -High productivity due to minimised scanning time.
Stamp	Prints one of 12 messages such as "CONFIDENTIAL" in bold reverse letters. You can select the position, density, colour, size, and the pages (first page only or all pages).
Tab Copy	Copies captions onto the tabs of tab paper.
Tandem Copy	Shares a single copy job between the two machines effectively by using two MFPs on the network.
Text Print	Prints up to 50 characters of text such as "5-YEAR INTERIM PLAN". Frequently used text sets can be stored in the MFP.
Transparency Inserts	Automatically inserts a sheet of paper between each sheet of transparency film.
Watermark	Overlays a watermark such as "Important" or "Confidential" onto copy output.
XY Zoom	Makes a copy that has different enlargement/reduction ratios horizontally and vertically.

## ■ Printer Functions

Name	Description
2-sided Printing	Prints data on both sides of the paper.
A4/Letter Auto Change	If you want to print A4 size data but A4 paper has run out, this feature prints it on letter size paper.
Auto Job Control Review	Automatically displays the job settings before printing so you can check it.
Barcode Font	The optional Barcode Font Kit enables printing of barcodes.
Binding Edge	Determines how the left, right and top edges of a document's front and back pages are positioned when automatically printing on both sides using the duplex function.
Carbon Copy	Prints the same data on paper from two or more different paper trays.
Chapter Inserts	When performing two-sided printing, there can be requirement that the first page of all chapters should be placed on the right side of the facing pages to achieve a professional looking out.
Different Paper Setting	Inserts a different type of paper for cover page or inserts. (letter-head paper, coloured paper, etc.)
Direct Print* (e-mail)	When an e-mail account for an MFP is set up on the mail server, the user can send e-mail to the MFP with attached print data (with extensions such as .pcl, .ps, .pdf, tiff, and xps). The data can then be printed without using a printer driver. (The MFP prints it automatically.)
Direct Print (FTP)	An FTP server can be stored in the MFP to enable direct printing of files on the server from the control panel without the need for a printer driver. Files with the extensions .pcl, .ps, .pdf, tiff, xps and prn can be printed.
Direct Print (SMB)	Network folder can be stored in the MFP to enable direct printing of files on the server from the operation panel without the need for the printer driver. Files with the extensions .pcl, .ps, pdf, tiff, jpeg, pcl, and xps can be printed.
Direct Print (USB memory)**	Prints data directly from a USB memory device connected to the MFP without the need for a printer driver. Users select the data in memory from the MFPs control panel and follow instructions to print the file.
Direct Print (Web)	Prints data with the extensions such as .pcl, .ps, .pdf, tiff, and xps via a Web page without the need for a printer driver.
Encrypted PDF Direct Print	Prints an encrypted PDF using the Direct Print function.
Fit to Page	Automatically selects the appropriate reduction/enlargement ratio to match the paper size you select.
Graphics Mode	Selects a graphics mode from raster or vector.

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Name	Description
Hold after Print	Prints and then stores the data.
Hold before Print (Hold Only)	Stores data without printing it.
Image Orientation	Chooses portrait or landscape as the image orientation for print jobs.
Interface Settings	Controls and monitors data transmitted to the USB port or network port of MFP. (for example, IO time out, or port switching method).
Line Thickness	Adjusts the line width of vector graphics. (black and white printing only)
Margin Shift	Shifts the print image to increase the margin at the left, right, or top of the paper.
Mirror Image	Reproduces a mirror image printout of the original print data.
Notice Page	Prints a notice page automatically (for example, "print error caused by no PIN code in Audit mode").
Notify Job End	A pop-up screen appears on your PC to notify you that the print job has finished.
N-up	Prints multiple pages of data onto a single sheet.
Overlays	Prints a pre-registered overlay on print data.
Pamphlet	Creates pamphlet-style pagination. Professional finishing is possible without outsourcing.
Paper Selection (Paper Type)	Configures the type of paper in the paper tray via the printer driver user interface. (For example, plain, recycled, colour, heavy paper, or transparency) The setting restricts printer function automatically.
PCL Settings	Changes setting when printing data in PCL.
Poster	Enlarges an original image to a size larger than A3 and prints the divided images onto multiple sheets of print paper.
Print Density Level	Lightens or darkens the print density of colour and black and white images. For example, to adjust the density of the background colour in tables and graphs if the text is too hard to read.
Proof Print (Sample Print)	When you print two or more copies, only one set is printed and the data is stored.
Resolution Setting	Selects the printing resolution, 600 or 1200dpi (1200dpi for N model only)
Retention	Stores output in the MFP and retrieves it by using three modes, 'hold after print', 'hold before print' and 'proof print'.
ROPM (RIP Once / Print Many)	Downloads and stores large multi-page print data to memory once, and reuses the data to process multiple print sets.
Rotate 180 degrees	Prints jobs rotated by 180 degrees.
Tab Paper Print	Prints texts on the tab of the tab paper.
Tandem Print	Connects the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N to another MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N at a different location on the network, and, in effect, shares printing jobs between the two machines.
Text to Black	Prints all characters (colour and B/W) as black characters.
Toner Save	Prints data using less toner than the usual amount.
Transparency Inserts	Places blank insert sheets between transparent sheets when printing data onto transparent film.
Vector to Black	Prints all lines or areas other than white lines and areas in black.
Watermarks	Prints a watermark such as "IMPORTANT" or "CONFIDENTIAL" onto printouts.
Zoom	Enlarges or reduces the image to a selected percentage.

\* U model needs MX-PB10 or MX-PB11.

\*\* U model needs MX-PB11.



■ **Image Send Functions (General)**

Name	Description
2-Sided Original Sending	Scans 2-sided originals efficiently by using the RSPF/DSPF
Ad-hoc Address	Inputs ad-hoc addresses as needed.
Broadcasting	Sends a document to multiple destinations in a single operation.
Card Shot	Arranges the back and front of an ID card etc. onto one side of a sheet with simple operation.
Dual Page Scan	Divides and scans the left and right sides of an original into two separate pages.
Erase	Erases shadows that appear around edges when scanning a book original or thick original. (Edge erase) Erases the shadows that appear down the centre of books and other originals that open up. (Centre erase) Erases both the shadow lines around the edges of the scanned image and the shadow at the centre. (Edge + Centre erase) Erases both the shadow lines around the sides of the scanned image and the shadow at the side. (Side erase)
Import/Export Address	Copies address data from one MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N and sends it to other MFPs. (‘Via Web page’ only. ‘Via USB memory’ isn’t supported.)
Job Build	Convenient for producing jobs with more pages of originals than pages that the document feeder can hold. Combines multiple scanning jobs and transfers them as one original set.
Job Programme	Registers settings of scan jobs, which can be called up with easy operation.
Long Original Transmission	Scans long originals (MAX 1000 mm in length) by feeding them into RSPF/DSPF.
Memory Transmission	Once a document is scanned, it is stored in the memory.
Mixed Size Original	Scans documents of different sizes that are fed through the document feeder. MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N can feed both ‘Mixed size original: Same width’ (For example, A4 and A3) and ‘Mixed size original: Different width’ (For example, A4 and B5)
One-Touch Address	Registers commonly used addresses that can be selected with easy operation from the LCD control panel.
Original Count	Counts and displays the number of scanned original sheets.
Quick Key	Calls up any registered address by touching the [QUICK] key and entering the three-digit number you registered at the time of Address Book registration. The number is entered using numeric keys.
Preview*	Before sending data, data can be checked and reset at preview screen of a touch panel.
Resend	Sends new data to preceding eight destinations.
Resolution	Selects a scanning resolution. (For example, 200dpi, 300dpi, 400dpi, 600dpi)
Scaled Transmission	Enlarges or reduces an original for transmission.
Timer Transmission	Specifies the day of the week and time of transmission or polling operation in advance. Transmission begins automatically at the specified time.
Thin Paper Scanning and Bound Originals Scanning	It is possible to scan originals that normal fax machines can’t scan.
Verif. Stamp	Keeps track of which originals have been scanned by stamping each original as it is processed.



■ **Image Send Functions (Scan/i-Fax)**

Name	Description
Ad-hoc File Name	Inputs a file name when sending e-mail.
Ad-hoc Message	Inputs an e-mail message.
Ad-hoc Subject Name	Inputs the subject name when sending e-mail.
CC/BCC Sending	Sends e-mail using CC and/or BCC.
Direct SMTP	Sends/ receives Internet FAX without going through mail server. Users can send/receive FAX in real time.
Compact PDF*	Creates light and high quality PDF file by executing appropriate compression in each area. (Grayscale/ Colour only)
Directory Walking (scan only)	Refers/Searches the SMB of PC on the network that users want to store data.
Exposure (scan only)	Adjusts the image density for the original.
File Format	MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N supports commonly used file formats for scanned data. Only N models support colour scanning. (Monochrome: TIFF, PDF, encrypted PDF, and XPS) (Colour/Grayscale: Colour TIFF, PDF, encrypted PDF, JPEG and XPS)
Network TWAIN*	MX-M503N, MX-M453N, MX-M363N, and MX-M283N support TWAIN, enabling you to scan image data efficiently with TWAIN-compliant software.
Pre-Setting Mail Signature	Automatically appends a signature to the end of the body text of e-mail. It is able to register contents in the Web pages.
Scan Destination	Sends and forwards scanned images to destinations connected on the network (or local storage) by using handy and easy-to-use options: Send to Desktop / Send to E-mail / Send to FTP / Send to SMB / Send to USB memory / Send to HDD
Send to Desktop	Sends scanned files directly to your PC without routing through a server. These files automatically appear on your desktop as thumbnails for greater ease of use.
Send to E-mail	Sends scanned files as an attachment to any e-mail address over the Internet.
Send to FTP	Sends scanned files for storage on an FTP server. If you configure the "Scan to FTP Server" settings, the MFP automatically sends e-mail that contains links to the scanned files to destinations, so receivers can view the file with a single click.
Send to HDD	Sends scanned files to the MFP's HDD.
Send to SMB	Sends scanned files for storage on a file server that uses SMB. (SMB is a type of protocol commonly used on Windows PCs.)
Send to USB	Sends scanned files to a USB memory.
Sending Restriction	Sets the maximum limitation of scanned data size.
Specified Page Per File	Scans multiple documents at once and groups them into separate files for each page. (TIFF and PDF)
Suppress Background (scan only)	Suppresses the light background of the original when scanning data.



■ **Image Send Functions (Fax)**

Name	Description
2-sided Reception	Prints an incoming fax on both sides of paper.
2-in-1 (Fax & i-Fax)	Reduces and sends two original pages as a single page.
Chain Dial	By pressing the [Pause] key, a number entered before can be combined with a number entered after.
Direct Transmission	After the connection is established and the fax signal from the other machine is confirmed, scanning begins without using memory and the fax is transmitted.
Fax Staple	Designates the number of copies to be printed out as well as whether incoming faxes are to be stapled.
F-Code	F-Code is a standard established by the ITU-T to ensure greater security and confidentiality in fax transmissions. Until now, special communications (for example, 'confidential transmission' and 'relay broadcast transmission') could be performed only with another Sharp fax machine. However, these functions are now available with other fax machines, as other manufacturers have come to support F-Code.
Flash Memory	A flash memory is used for saving fax data. It can hold information without the need of electricity.
Inbound Routing	Received faxes can be automatically forwarded to a specified e-mail address, FTP server, SMB server, or desktop.)
Page Numbering	Numbers incoming fax pages when printing them out.
PC-Fax	Sends data directly from a PC to a fax machine without printing the data on paper.
Polling	Polling is the procedure of asking another fax machine whether it wants to send information and receive that information. Naturally, information must already be stored on that machine in memory called "polling memory." You can also perform the reverse, or scan a document to polling memory on your fax machine as the information to be retrieved by another fax machine.
Preview/thumbnail *	Received fax data can be displayed as thumbnails and preview screen on touch panel.
Quick Online Transmission	MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N with the fax option start to dial and send a multiple-page document as soon as the first page is scanned into memory.
Recall Mode	Resends the document after a certain period of time if the recipient is busy.
Received Data Print Hold	Can choose not to print out an incoming fax automatically. When this function is enabled, a password entry screen will appear without printing the received fax automatically.
Rotate Transmission	MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N is set by default to rotate a vertically placed original so that it is oriented horizontally before transmission.
Transaction Report	Prints a transaction report automatically and you can confirm the transaction results.





■ **Document Filing** (U model requires HDD.)

Name	Description
Back Up via Web Page	Backs up data via a Web page.
Browsing via Web Page	Browses and operates data via the Web page.
Confidential File	Protects a confidential file with password.
Confidential Folder	Protects confidential folders with passwords.
Data Saving Capability	Saves data file in Quick file folder (MAX12GB, 10,000 pages or 1,000 files) or Main/Custom folder (MAX 38GB, 20,000 pages or 3,000 files).
File Name	You enter the ad-hoc file name up to 30 characters long directly or MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N generate file names automatically.
Preview* (Before filing)	Before operating data, data can be checked as preview screen in touch panel. (N model only)
Preview/Thumbnail* (After filing)	The data stored in MFP HDD can be displayed as thumbnails and previewed on the touch panel. Some machines also can display thumbnails and preview on the web page. (N model only)
Property Change	The property of saved files can be switched between "sharing", "protect" or "confidential."
Reprint	Reprints data saved to the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N with easy operation.
Resend	Resends data saved to the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N with easy operation.
Search	Searches a file via the LCD control panel. (Files are displayed as thumbnails.)

■ **Applications**

Name	Description
Network Scanner Tool	This application detects all available MFPs on the network and creates destination addresses on the MFP automatically. It also receives scanned data from other MFPs.
Printer Administration Utility 4	A network tool designed to speed up the installation and configuration of all connected Sharp devices. Primarily for IT Managers, it allows you to manage all Sharp and non-Sharp SNMP compliant printers over the network right from your desktop. IT Managers can customise machine information as well as view device status with optional pop-up alert messages.
Printer Status Monitor	Allows you to monitor important printer information on your PC via network. For example, when something is wrong with the MX-M503N/U, MX-M453N/U, MX-M363N/U, and MX-M283N, the MFP alerts you via an easy-to-follow graphic display. [Advance] Important information includes on-line/off-line status, name of the current active print job, and machine conditions (such as amount of paper or toner).
Sharpdesk	Sharpdesk is Sharp's original document management software and is fully integrated with Sharp MFPs scanner functions. This software provides you with a personal, PC desktop based system for managing scanned images and electronic file documents.



■ **Security Functions**

Name	Description
Confidential Print	This function is a part of the 'Retention Print' function. 'Hold after Print with PIN or Pass Code' is called 'Confidential Print.' Requires a personal ID number to be entered at the MFP before printing.
Data Security Kit	With the optional Data Security Kit, data that has been scanned for copying or printing is automatically cleared from storage after the job is finished. It can also encrypt certain types of data, and provide a Document control Function.
Disabling of List Print	Network settings such as IP addresses and private information such as address books are stored in the main unit. The printout of this data can be disabled to prevent leak of individual data in the address book or administrative information on MFPs.
Disabling Selection from Address Book	Use of the address book can be disabled in the following transmission methods to avoid data transmission to invalid and unauthorised destinations. Scan to E-mail / Scan to FTP / Scan to Desktop / Scan to Network Folder / Internet Fax Send / Fax Send
Document Administration	Forwards all sent/received documents (except "USB memory scan" and "PC scan" data) to 'e-mail', 'FTP', 'desktop' and 'Network folder' for the administrator.
Document Control*	When data printed under this mode is scanned by MX-M503N, MX-M453N, MX-M363N, and MX-M283N or later models equipped with the Data Security Kit, the Document Control function cancels the job by detecting certain characteristic patterns inserted upon copying/printing, and prevents printing/transmission of the data.
Encrypted PDF	Enables you to protect data with password and/or encrypt scanned PDF data.
IEEE802.1X	Authenticates hardware that connects to the network at the LAN switch or the wireless LAN access point. This is used for some "unauthorised connection prevention solution" and "quarantine network solution".
IP/MAC Address Filtering/Port Filtering	IP/MAC address filtering controls MFP access to enable secure network printing. Port filtering blocks unneeded TCP/IP services and enhances network security.
IPsec	Encrypts and certifies data that flows on the network. It is able to encrypt all data sent by using IP.
Job Log	Keeps a log of machine operations.
Operating System (OS)	Sharp's proprietary operating system makes it less vulnerable to attack from the outside by viruses and malicious executable files. This is an advantage compared to mainstream OS installed on our competitors.
Sender Control	Impersonated transmission when scanning to E-mail must be prevented. For this purpose, the [Sender Name] selection in the [Send] settings for Scan to E-mail operations can be enabled/disabled as needed. When the selection is disabled, the Web page administrator's address is applied to the sender and changes are restricted.
SSL Network Communication	Enables data communication using SSL (Secure Sockets Layer), a protocol that encrypts data for transmitting over networks.
SMB	Server Message Block for scanning to secured folders.
SNMP v3	Simple Network management protocol version 3 for advanced security.
User Authentication	Confirms whether a user is authorised to use the MFP.

Note: \* feature is available on N model only.



## SPECIFICATIONS

### Basic Specifications

Base Engine	MX-M503N/U	MX-M453U/N	MX-M363U/N	MX-M283N
Simplex to Simplex (A4)	50ppm	45ppm	36ppm	28ppm
Photoconductor type	OPC(Diameter: $\phi$ 30mm)			
Record method	Electronic Photo (Laser)			
Development method	Dry-Type Dual-Component Magnetic Brush Development			
Charge method	Charged Saw-Tooth Method			
Transfer method	Transfer Roller			
Cleaning method	Counter Blade			
Fusing method	Heat Roller			
Warm up time	20 seconds or less			
Pre-heat	Yes			
Jam recovery time	Approximately 20 seconds or less Condition: After the door is kept open for 60 seconds, standard setting, the polygon motor halt.			
Resolution	N model: Copy: 1200 x 1200dpi, 600 x 600dpi Print: 1200 x 1200dpi, 600 x 600dpi U model: Copy: 600x600dpi			
Printable area	A3 Wide: 297x420mm A3: 293x413mm B4: 253x357mm A4: 206x290mm B5: 178x250mm A5: 144x203mm Postcard: 96x141mm 8K: 266x383mm 16K: 191x263mm			
Power switch	2 (Primary switch: in the front cover; Secondary switch: the operation panel)			
PM cycle	200K	200K	200K	150K
Maximum print volume	200K			
Average print volume (reference)	18K	12K	9K	6.5K
MCBJ	20K			
MCBF	80K			
External dimensions (W x D x H)	U model: 645 x 670 x 953mm/ N model: 645 x 695 x 953mm			
Occupied space (W x D) (When the bypass tray is extended.)	U model: 986 x 670mm/ N model: 986 x 695mm			
Weight (without photo receptor and consumables)	95kg			

Controller Board		
CPU	Power QUICC II Pro MPC8377E	
Interface		
IEEE1284 Parallel	No	
Ethernet	1 port	
	Interface	10Base-T, 100Base-TX, 1000Base-T
	Support Protocol	TCP/IP (IPv4, IPv6), IPX/SPX, Ether Talk, NetBEUI
USB2.0	High speed (Host)*: 1 port	
	High speed (Device): 1 port	
	* One port can be used when either front or back port is not in use.	
Memory slot	2 slots (1 empty slot)	

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Local Memory (Std)	U model: Copier: 320MB (including 64MB on board) Printer: 1GB N model: Copier: 640MB (including 128MB on board) Printer: 1GB			
Local Memory (Max)	U model: Copier: 320MB Printer: 2GB N model: Copier: 640MB Printer: 2GB			
HDD U model: Opt, N model: Std	80GB x 1 (HDD capacity depends on procurement and sourcing status.)			
<b>Acoustic Noise Emission</b>				
	<b>MX-M503N/U</b>	<b>MX-M453U/N</b>	<b>MX-M363U/N</b>	<b>MX-M283N</b>
New Blue Angel: In action	68dB	63dB	68dB	63dB
<b>Power Consumption</b>				
Power source	220-240V, 50/60Hz			
Max. power consumption	1.84kW (220 to 240V)			
TEC value specified by New International Energy Star	11.5kWh	9.75kWh	6.6kWh	3.8kWh

<b>Operation Panel: N model (Colour LCD: 8.5inch W-VGA)</b>	
Form	Dot matrix LCD, touch panel
Display dot number	800 x 480 dots (W-VGA)
LCD Drive Display Area	184.8 x 110.8mm
LCD backlight	Fluorescent tube, backlight
LCD contrast adjust	Yes
<b>Operation Panel: U model (Monochrome LCD: 8.1inch H-VGA)</b>	
Form	Dot matrix LCD, touch panel
Display dot number	640 x 240 dots (H-VGA)
LCD Drive Display Area	192 x 72mm
LCD backlight	Fluorescent tube, backlight
LCD contrast adjust	Yes

<b>Document Glass (Platen)</b>		
Scan resolution (Copy Mode)		Monochrome
	Document Glass	600 x 600dpi/ 600 x 400dpi/ 600 x 300dpi (Default)
	RSPF	600 x 600dpi/ 600 x 400dpi (Default)
	DSPF	600 x 600dpi/ 600 x 400dpi/ 600 x 300dpi (Default)
Exposure lamp	U model: Xenon, N model: White LED	

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<b>RSPF (Reversing Single Pass Feeder): Std for MX-M283N and U model</b>			
Scan speed		Monochrome (A4)	Colour (A4)
Copy	1-sided	50 sheets/minute (600x400dpi) 36 sheets/minute (600x600dpi)	N/A
	2-sided	20 sides/minute (600x400dpi) 17 sides/minute (600x600dpi)	N/A
Fax/ I-FAX	1-sided	50 sheets/minute (200x200dpi)	N/A
	2-sided	20 sides/minute (200x200dpi)	
Scanner	1-sided	50 sheets/minute (200x200dpi)	50 sheets /minute (200x200dpi)
	2-sided	20 sides/minute (200x200dpi)	20 sides/minute (200x200dpi) * Only for MX-M283N
Document setup direction		Upward standard (1toN feeding standard)	
Document standard location		Centre standard (Rear one-side standard for random feeding)	
Document transport method		Sheet-through method	
Document sizes		AB type -1, 2, 4, 5: A3, B4, A4, A4R, B5, B5R, A5 AB type -3: A3, B4, A4, A4R, A5	
Document weights		1-sided: Thin paper: 35-49g/m <sup>2</sup> Plain paper: 50-128g/m <sup>2</sup> 2-sided: 50-105g/m <sup>2</sup>	
Document carrying capacity		Maximum: 100 sheets (80g/m <sup>2</sup> ), or maximum height: 13mm	
Types of document that may not be transported		OHP, second original drawing, tracing paper, carbon paper, thermal paper, wrinkled / broken / torn document, document with cuts and pastes, documents printed by an ink ribbon, and perforated document except 2-punched / 3-punched (Perforated document by punch unit is allowed.)	
Paper detection		Yes	

<b>DSPF (Dual Single Pass Feeder): Std for N models except for MX-M283N</b>			
Scan speed		Monochrome (A4)	Colour (A4)
Copy	1-sided	70 sheets/minute (600x300dpi) 50 sheets/minute (600x400dpi) 36 sheets/minute (600x600dpi)	N/A
	2-sided	70 sides/minute (600x300dpi) 50 sides/minute (600x400dpi) 36 sides/minute (600x600dpi)	N/A
Fax/ I-Fax	1-sided	70 sheets/minute (200x200dpi)	N/A
	2-sided	70 sides/minute (200x200dpi)	
Scanner	1-sided	70 sheets/minute (200x200dpi)	70 sheets/minute (200x200dpi)
	2-sided	70 sides/minute (200x200dpi)	70 sides/minute (200x200dpi)
Document setup direction		Upward standard (1toN feeding standard)	
Document standard location		Centre standard (Rear one-side standard for random feeding)	
Document transport method		Sheet-through method	
Document sizes		AB type -1, 2, 4, 5: A3, B4, A4, A4R, B5, B5R, A5 AB type -3: A3, B4, A4, A4R, A5	
Document weights		1-sided: Thin paper: 35-49g/m <sup>2</sup> Plain paper: 50-128g/m <sup>2</sup> 2-sided: 50-128g/m <sup>2</sup>	
Document carrying capacity		Maximum: 100 sheets (80g/m <sup>2</sup> ), or maximum height: 13mm	
Types of document that may not be transported		OHP, second original drawing, tracing paper, carbon paper, thermal paper, wrinkled / broken / torn document, document with cuts and pastes, documents printed by an ink ribbon, and perforated document except 2-punched / 3-punched (Perforated document by punch unit is allowed.)	
Paper detection		Yes	

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Paper Input		
Details on Tray 1 (feeding 500 sheets)		
Paper size	A3, B4, A4, A4R, B5, B5R, A5R	
Changing of paper size	Switched by users	
Paper type setting	Yes	
Default paper size setting	A4	
Paper type/weight	Plain paper: 60-105g/m <sup>2</sup> , Heavy Paper 106-209g/m <sup>2</sup>	
Paper capacity	500 sheets (80g/m <sup>2</sup> )	
Paper type	Plain paper, pre-printed paper (not including backing paper), recycled paper, letterhead, pre-punched paper, coloured paper, heavy paper Users can set up all of these paper types.	
Paper size detection	Yes	A3, B4, A4, A4R, B5, B5R
Detection of remaining paper	Level detection (4 levels: 100%, 67%, 33%, and none)	
Details on Tray 2 (feeding 500 sheets)		
Paper size	A3, B4, A4, A4R, B5, B5R, A5R	
Changing of paper size	Switched by users	
Paper type setting	Yes	
Default paper size setting	A3	
Paper type/weight	Plain paper: 60-105g/m <sup>2</sup> , Heavy Paper 106-209g/m <sup>2</sup>	
Paper capacity	500 sheets (80g/m <sup>2</sup> )	
Paper type	Plain paper, pre-printed paper (not including backing paper), recycled paper, Letter-head, pre-punched paper, coloured paper, heavy paper Users can set up all of these paper types.	
Paper size detection	Yes	A3, B4, A4, A4R, B5, B5R
Detection of remaining paper	Level detection (4 levels: 100%, 67%, 33%, and none)	
Bypass		
Paper Size	A3W, A3, B4, A4, A4R, B5, B5R, A5R Envelope (Monarch/ Com-10/ DL/ C5) Extra Size (Tab paper is limited to A4; tab width: 12mm-20mm)	
Changing of paper size	Switched by users	
Paper type setting	Yes	
Paper type/weight	Thin Paper: 56-59g/m <sup>2</sup> Plain paper: 60-105g/m <sup>2</sup> Heavy Paper: 106-209g/m <sup>2</sup> Envelope: 75-90g/m <sup>2</sup> OHP, Label Paper, Tab Paper	
Paper capacity	Standard paper	100 sheets
	Postcard	20 sheets
	Envelope	20 sheets
	OHP	20 sheets
	Heavy paper	40 sheets
	Tab paper	20 sheets
	Other special paper	1 sheet
Paper type	Plain paper, pre-printed paper, recycled paper, letter head, pre-punched paper, coloured paper, heavy paper, thin paper, label paper, OHP, tab paper, envelope. Users can set up all of these paper types.	
Paper size detection	Auto detect	A3W, A3, B4, A4, A4R, B5, B5R, A5R





■ Peripheral Devices specifications

<b>Stand with 500-Sheet Paper Drawer (MX-DEX8)</b>	
Paper sizes	A3, B4, A4, A4R, B5, B5R
Paper type/weight	Plain paper: 60-105g/m <sup>2</sup> Heavy paper: 106-209g/m <sup>2</sup>
Paper capacity	Standard paper: 500 sheets (80g/m <sup>2</sup> , 21lbs Bond)
Paper types	Plain paper, pre-printed paper (not including backing papers), recycled paper, letterhead, pre-punched paper, coloured paper, and heavy paper. Users can set up these types of paper.
Detection of paper size	Auto detection Auto-AB
	A3, B4, A4, A4R, B5, B5R
Dimensions	W 720 x D 670 x H 303mm (Including adjuster) W 590 x D 670 x H 303mm (Excluding adjuster)
Weight	Approximately 20.0kg

<b>Stand with 2 x 500-Sheet Paper Drawer (MX-DEX9)</b>	
No. of paper drawers contained	2 paper drawers
Paper sizes	A3, B4, A4, A4R, B5, B5R
Paper type/weight	Plain paper: 60-105g/m <sup>2</sup> Heavy paper: 106-209g/m <sup>2</sup>
Paper capacity	500 sheets (80g/m <sup>2</sup> , 21lbs Bond)
Paper types	Plain paper, pre-printed paper (not including backing papers), recycled paper, letterhead, pre-punched paper, coloured paper, and heavy paper. Users can set up these types of paper.
Detection of paper size	Auto detection Auto-AB
	A3, B4, A4, A4R, B5, B5R
Dimensions	W 720 x D 670 x H 303mm (Including adjuster), W 590 x D 670 x H 303mm (Excluding adjuster)
Weight	Approximately 23.5kg

<b>Large Capacity Tray (MX-LCX1)</b>	
Paper sizes	A4
Paper type/weight	Plain paper: 60-105g/m <sup>2</sup>
Paper capacity	3,500 sheets (80g/m <sup>2</sup> )
Paper type	Plain paper, pre-printed paper, recycled paper, letterhead, pre-punched paper, coloured paper Users can set up these types of paper.
Dimensions	W 370 x D 550 x H 520mm
Occupied dimensions	W 370 x D 550mm (Dimensions with MFP is described in page 94)
Weight	Approximately 29kg

<b>Exit Tray Unit (MX-TRX2)</b>	
Tray capacity	100 sheets with 80g/m <sup>2</sup>
Ejected paper size/ Type	Any paper except envelope and tab paper.
Dimensions	W 314 x D 405 x H 52mm. With tray extended: W 444 x D 405 x H 52mm
Weight	Approximately 0.93kg

<b>Paper Pass Unit (MX-RBX3)</b>	
Dimensions	W 555 x D 535 x H 165mm
Weight	Approximately 7kg

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<b>Inner Finisher (MX-FNX9)</b>		
Ejectable paper size	A3W, A3, B4, A4, A4R, B5, B5R, A5R, Envelope(Monarch / Com-10 / DL / C5)	
Paper type/weight	Thin paper: 55-59g/m <sup>2</sup> Plain paper: 60-105g/m <sup>2</sup> Heavy paper: 106-256g/m <sup>2</sup>	
Mode type	Non-stapled, stapled	
Paper sizes allowed for offset	A3, B4, A4, A4R, B5	
Offset quantity	30mm	
Stored sheets (for ejection)	Non-stapled: 500 sheets (MAX 71mm) A4, A4R, B5, B5R, A5R 250 sheets (MAX 35.5mm) A3W, A3, B4  Stapled: 30 bundles or 500 sheets(MAX 71mm) A4, A4R, B5 30 bundles or 250 sheets(MAX 35.5mm) A3, B4	
Sizes allowed for stapling	1-point at front (Flat)	A3, B4, A4, A4R, B5
	1-point at back (Flat)	A3, B4, A4, A4R, B5
	2-point stitching	A3, B4, A4, A4R, B5
Number of sheets to be stitched	A4, A4R, B5: 50 sheets (80g/m <sup>2</sup> )	
	A3, B4: 30 sheets (80g/m <sup>2</sup> )	
	Stapling a mixture of types/sizes: 30 sheets *Mixture staple is allowed for only same width paper.	
Dimensions	W 440 x D 595 x H 205mm	
Foot print dimensions	With tray extended: W 640 x D 595 x H 205mm Clearance required: 140mm	
Weight	Approximately 13kg	

<b>Saddle Stitch Finisher (MX-FN10)</b>		
Ejectable paper sizes	A3W, A3, B4, A4, A4R, B5, B5R A5R Envelope(Monarch / Com-10 / DL / C5)	
Paper type/weight	Thin paper: 55-59g/m <sup>2</sup> Plain paper: 60-105g/m <sup>2</sup> Heavy paper: 106-256g/m <sup>2</sup>	
Mode type	Non-stapled, stapled, saddle stitch, bi-folding	
Paper sizes allowed for offset	A3, B4, A4, A4R, B5, B5R	
Offset quantity	30mm	
Stored sheets (for ejection)	Non-stapled: 1000 sheets (MAX 175mm) A4, A4R, B5, B5R 500 sheets (MAX 94mm) A3W, A3, B4, A5R  Stapled: 50 bundles or 1,000 sheets (1-point at back) A4, B5 50 bundles or 1000 sheets (MAX 175mm) A4, A4R, B5, B5R 50 bundles or 500 sheets (MAX 94mm) A3, B4	
Sizes allowed for stapling	1-point at front (Flat)	A3, B4, A4, A4R, B5, B5R
	1-point at back (Flat)	A3, B4, A4, A4R, B5, B5R
	2-point	A3, B4, A4, A4R, B5, B5R
Number of sheets to be stitched	A4, A4R, B5, B5R: 50 sheets (80g/m <sup>2</sup> )	
	A3, B4: 25 sheets (80g/m <sup>2</sup> )	
	Stapling a mixture of types/sizes: 25 sheets *Mixture staple is allowed for only same width paper.	
Dimensions	W 497 x D 631 x H 988mm	
Occupied dimensions	with tray extended: W 656 x D 631 x H 988mm	
Weight	Approximately 40kg	
Stitching method	2-point centre stitch and bi-folding	
Folding location	Centre folding (Adjustment function available)	

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Paper sizes allowed for saddle	A3, A4R, B4
Paper type/weight allowed for saddle	55g/m <sup>2</sup> -105g/m <sup>2</sup> 55g/m <sup>2</sup> -209g/m <sup>2</sup> (Cover mode: first page only)
Stitching number	Maximum: 15 sheets (14 sheets of 80g/m <sup>2</sup> + 1 sheet of 209g/m <sup>2</sup> )
Loading number	20 bundles (1-5 sheets), 15 bundles (6-10 sheets), 10 bundles (11-15 sheets)

<b>4K Finisher (MX-FN11)</b>	
Ejectable paper size	A3W, A3, B4, A4, A4R, B5, B5R, A5R, Envelope(Monarch / Com-10 / DL / C5)
Paper type/weight	Thin paper: 55-59g/m <sup>2</sup> Plain paper: 60-105g/m <sup>2</sup> Heavy paper: 106-256g/m <sup>2</sup>
Mode type	Non-stapled, stapled
Paper sizes allowed for offset	A3, B4, A4, A4R, B5
Offset quantity	30mm
Stored sheets (for ejection)	Upper tray Non-stapled: 1,550 sheets A4, B5, A5R 650 sheets A3W, A3, B4, A4R, B5R Stapled: 100 bundles or 1,550 sheets A4, B5, A5R 50 bundles or 650 sheets A3, B4, A4R, B5R  Lower tray Non-stapled: 2,450 sheets A4, B5 1,700 sheets A5R 650 sheets A3W, A3, B4, A4R, B5R Stapled: 100 bundles or 1,550 sheets A4, B5 50 bundles or 650 sheets A3, B4, A4R
Sizes allowed for stapling	1-point at front (Flat) A3, B4, A4, A4R, B5
	1-point at back (Flat) A3, B4, A4, A4R, B5
	2-point stitching A3, B4, A4, A4R, B5
Number of sheets to be stitched	A4, B5: 50 sheets (80g/m <sup>2</sup> ) A3, A4R, B4: 30 sheets (80g/m <sup>2</sup> ) Stapling a mixture of types/sizes: 30 sheets *Mixture staple is allowed for only same width paper.
	Dimensions W 515 x D 650 x H 1100mm
Foot print dimensions	W 645 x D 650mm
Weight	Approximately 44kg

<b>Punch Unit</b>			
<b>MX-PNX1A/C/D (for inner finisher) / MX-PNX5A/C/D (for saddle stitch finisher) / MX-PNX6A/C/D (for 4K finisher)</b>			
Type	For inner finisher	For saddle stitch finisher	For 4K finisher
Punch type	2 holes / 4 holes / 4 holes (wide) A punch unit that provides all of these 3 types can be installed.		
Punchable paper size	2 holes	A3, A4, A4R, B4, B5, B5R	
	4 holes	A3, A4	
	4 holes(wide)	A3, A4, A4R, B4, B5, B5R	
Paper weight	55-256g/m <sup>2</sup> (not guaranteed for Heavy paper (over 129g/m <sup>2</sup> ))		55-256g/m <sup>2</sup>
Dimensions	W 105 x D 518 x H 170mm	W 122 x D 604 x H 248mm	W 115 x D 600 x H 995mm
Weight	Approximately 3.5kg	Approximately 3.5kg	Approximately 8.5kg



<b>Keyboard (MX-KBX2) – for N model only</b>	
Overview	Keyboard that is integrated with the main unit and can be stored under the operation panel. Enhance visibility and operability.
Bundled items	Keyboard unit USB hub unit

<b>Printer Expansion Kit (MX- PB10) – for U models only</b>	
Bundled items	Product key sheet for printer, Driver CD-ROM for printer
Driver CD-ROM	Integrated installer PCL5e/PCL6 printer driver PAU4 (Printer Administration Utility)/ SMON (Printer Status Monitor) PC-FAX driver (Windows) PS/PPD driver (Windows) PPD driver (Mac) SC-Print2005 SC_TCP/IP_Port

<b>Printer Expansion Kit with HDD (MX- PB11) N model: Std, U model: Option</b>	
Bundled items	HDD unit (Watermark data installed), HDD-supported Firmware (FLASH ROM), Product key sheet for printer, Driver CD-ROM for printer, Keysheet for document filing (A keysheet supporting destination's language will be bundled.)
Driver CD-ROM	Integrated installer PCL5e/PCL6 printer driver PAU4 (Printer Administration Utility)/ SMON (Printer Status Monitor) PC-FAX driver (Windows) PS/PPD driver (Windows) PPD driver (Mac) SC-Print2005 SC_TCP/IP_Port Network TWAIN driver (Not available for U model)

<b>PS Expansion Kit (MX-PKX1)</b>	
Packaged items	Product key sheet PS CD-ROM Application number (written on the product key sheet)
Included software in the CD-ROM	PS font

<b>XPS Expansion Kit (MX-PUX1)</b>	
Packaged items	CD-ROM Installation manual (Described the product key information)
Included software in the CD-ROM	XPS driver Installer

<b>Expansion Memory Board (MX-SMX3)</b>	
Memory Module Standard/ Number of Clocks	DDR2-667 (PC-5300)
Number of Pins	200
Memory Amount	1GB
Parity Check	Non-ECC



<b>Barcode font Kit (AR-PF1)</b>	
Included software	28 types of barcode font: Codebar-Regular / Code128-Narrow-Regular / Code128-Regular Code128-Wide-Regular / Code39HalfInch-Regular / Code39OneInch-Regular Code39QuarterInch-Regular / Code39Slim-Regular / Code39SmallHigh-Regular / Code39SmallLow-Regular / Code39SmallMedium-Regular / Code39Wide-Regular / OCR-B-C39-Regular / Interleaved2of5-Regular / Interleaved2of5Thin-Regular / OCR-A / OCR-B / Upc-HalfBarsThin / Upc-HalfMusicThin / Upc-HalfNarrow-Regular / Upc-Half-Regular / Upc-HalfThin-Regular / Upc-TallBarsThin / Upc-TallMusicThin / Upc-TallNarrow-Regular / Upc-Tall-Regular / Upc-TallThin-Regular / USPS-ZIP

<b>Fax Expansion Kit (MX-FXX2)</b>	
Packaged items	External box for Fax functional expansion Modular code Parts for mounting Fax memory (8MB) Installation procedure manual Fax quick guide (abroad only)
Installation caution sheet	6 languages (Japanese/English/German/French/Spanish/ Chinese)
Outer colour	warm white

**Stamp Unit (AR-SU1)**

<b>Internet Fax Expansion Kit (MX-FWX1)</b>	
Packaged items	Product key sheet (Internet Fax) Internet Fax CD-ROM
Included software in the CD-ROM	Internet Fax expansion tool

<b>Enhanced Compression Kit (MX- EBX3)</b>	
Overview	The following function can be supported when board is equipped. • Compact PDF
Packaged items	Base board

<b>Network Scanner Expansion Kit (MX- NSX1) N model: Standard, U model: Option</b>	
Packaged items	Product key sheet (network scanner) Sharpdesk CD-ROM Sharpdesk installation guide Sharpdesk serial number (10 licenses, pasted on the installation guide)
Included software in the CD-ROM	Sharpdesk (Ver3.2) Network scanner tool Internet Explorer

<b>Sharpdesk License Kit (MX USX1, USX5, US10, US50, USA0)</b>	
1 license	MX-USX1
5 licenses	MX-USX5
10 licenses	MX-US10
50 licenses	MX-US50
100 licenses	MX-USA0



<b>Application Integration Module (MX-AMX1)</b>	
Packaged items	Instruction manual Product key sheet Sharpdesk CD-ROM Sharpdesk installation guide Sharpdesk serial number (Sharpdesk 1 license, pasted on the product key sheet)
Included software in the CD-ROM	Same as Sharpdesk CD-ROM in the Main Unit

<b>Application Communication Module (MX-AMX2)</b>	
Packaged items	Instruction manual Sharp OSA Utility CD-ROM Application number (pasted on the instruction manual)
Included software in the CD-ROM	Sharp OSA Utility

<b>External Account Module (MX-AMX3)</b>	
Packaged items	Instruction manual Sample application CD-ROM Application number (pasted on the instruction manual)
Included software in the CD-ROM	Sharp OSA Utility

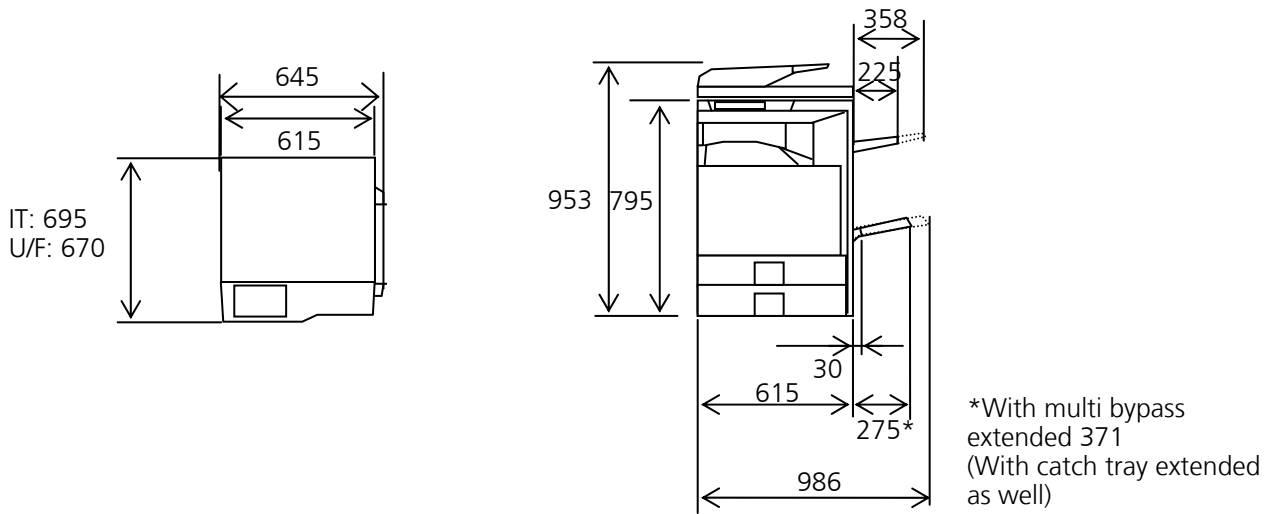
<b>Data Security Kit Commercial Version (MX-FR14U for HDD model, MX-FR15U for non-HDD model)</b>	
Packaged items	Firmware (FLASH ROM) Instruction manual Application number (pasted on the instruction manual)
Instruction manual	Japanese/ American English/ German/ French/ Spanish/ Italian/ Dutch/ Swedish/ Norwegian/ Finnish/ Danish/ Czech/ Polish/ Hungarian/ Greek/ Russian/ Portuguese/ Slovak/ Turkish/ Romanian

<b>Data Security Kit CC Version (MX-FR14 for HDD model, MX-FR15 for non-HDD model)</b>	
Packaged items	Firmware (FLASH ROM) Installation procedure manual Instruction manual Caution manual Security supplement sheet Validation label (after acquiring the Common Criteria validation) Application number (pasted on the instruction manual)
Instruction manual/ Caution manual	Japanese/ American English *German/ French/ Spanish/ Italian/ Dutch/ Swedish/ Norwegian/ Finnish/ Danish/ Czech/ Polish/ Hungarian/ Greek/ Russian/ Portuguese/ Slovak/ Turkish* *Not bundled with the product because it is not the target of the certification, but it can be provided as data.
Security supplement sheet	Japanese/ American English
Installation procedure manual	Japanese/ American English/ German/ French/ Spanish

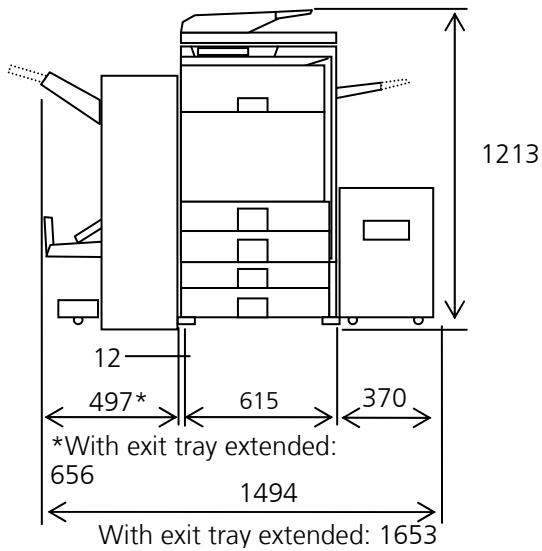




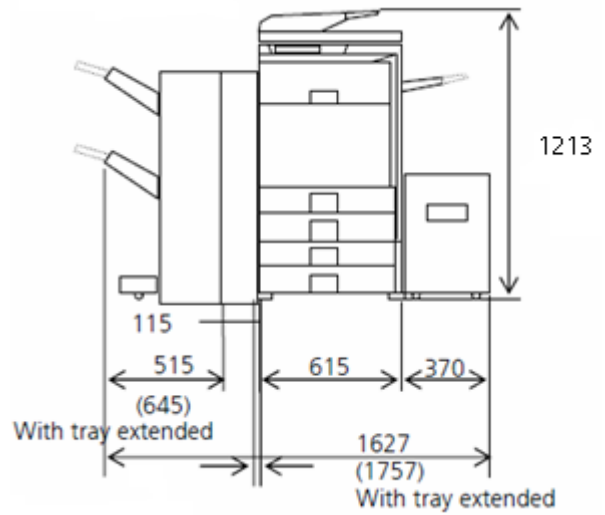
■ Outer Dimensions



Full option configuration  
(Saddle finisher)



Full option configuration  
(4K Finisher) & punch unit



Between punch and main unit



■ **Functions**

Copy Function		
	MX-M503U/453U/363U	MX-M503N/453N/363N/283N
First Copy Original Cover	3.9/ 3.9/ 4.6seconds	3.9/ 3.9/ 4.6/ 4.6seconds
First Copy (RSPF)	9.3/ 9.3/ 10.1seconds	10.1seconds (MX-M283N only)
First Copy (DSPF)	N/A	8.8/ 8.8/ 9.5/ - seconds
* Best achieved time based on A4 copy, long-edge feeding from 1 <sup>st</sup> paper drawer, when machine is ready. May vary depending on machine conditions and operating environment.		
Serial Copy	999 pages	
Copy ratios	Same size: 1:1±0.8% AB type: 25%, 50%, 70%, 81%, 86%, 100%, 115%, 122%, 141%, 200%, 400%	
Zoom	25 – 400% (25 – 200% for RSPF/DSPF)	
Extra preset copy ratio	4 (2 Scale up/ 2 scale down)	
XY zoom	Yes	
Exposure mode	Automatic, Text, Text/Printed Photo, Map (600dpi) Printed Photo, Text/Photo, Photo (N model: 1200dpi, U model: 600dpi)	
Manual steps	9 steps	
Toner save mode	Monochrome: Yes * available for Automatic(AE), Text/Printed Photo	
Automatic paper selection	Yes	
Automatic magnification selection	Yes	
Paper type select	Yes (Paper type setting available.)	
Auto tray switching	Yes	
Rotated copy	Yes (Large rotated copy over width available.)	
Electronic sort	Yes	
Rotated sort	No	
Job reservation	Yes (99)	
Tray installation priority	Yes	
Program call / registration	Yes (48) (10 for U model w/o HDD.) (Program name registration available.)	
Document paper size input	Yes (Document paper size registration available.)	
Indeterminate paper size input	Yes (Indeterminate paper size registration available.)	
2-sided copy direction switch	Yes	
Preview function	Yes for N model only	
Special function		
Margin shift	Yes (Right/ Left/ Upper)	
Edge/centre, center + edge/ side erase	Yes	
Dual page copy	Yes	
Saddle stitch	Yes (centering available.)	
Job build	Yes (Setting change for each bunch available.)	
Tandem copy (Available within HDD models of MX-M283/363/453/503)	Yes (via network)	
Cover/insertion	Yes	
Tab paper insertion	Yes (Insertion only. Tab copy not available.)	
OHP insertion	Yes (Inserted paper is automatically selected.)	
Multi shot	Yes (Boundary line print available. Centering available. Page printing per original page is available.)	

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Book copy	Yes	
Tab copy	Yes	
Card shot	Yes	
Stamp	Date print	Yes
	Text print	Yes
	Stamp	Yes
	Page print	Yes
	User stamp	No
	Watermark	Yes (U model w/o HDD doesn't support.)
Image edit	Photo repeat	Yes
	Multi-page enlargement	Yes Crop mark printing supported.
	Mirror image	Yes
	A3 full bleed	Yes
	Centering	Yes
	B/W reverse (B/W copy)	Yes (UK: not supported)
Sharpness	Yes	
Quick file	Yes (U model w/o HDD doesn't support.)	
Filing	Yes (U model w/o HDD doesn't support.)	
Proof copy	Yes (U model w/o HDD doesn't support.)	
Original count	Yes	
Mixed original	Yes (Same width, Different width, Combination with APS, and Combination with AMS available.)	
Slow scan	Yes	
Ignore blank paper	No	
Repeat layout	No	
Chapter inserts	No	
Book division	No	
Move	No	
Shading	No	
Document control	Yes (When the Data Security Kit is installed.): N model only	

**MX-M503N/U 453N/U  
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Printer Functions	
Supported OS	Windows 98* <sup>1</sup> / Me* <sup>1</sup> / NT 4.0 SP5 or later* <sup>1</sup> / 2000/ XP* <sup>2</sup> / Server 2003* <sup>2</sup> / Vista* <sup>2</sup> / Server 2008* <sup>2</sup> / Windows 7 * <sup>1</sup> Drivers are not included in CD-ROM. (WEB only) * <sup>2</sup> GPD files for 64bit OS are not included in CD-ROM. (WEB only)
PDL Emulation	Mac OS 9.2.2/ Mac OS X 10.2.8/ 10.3.9/ 10.4.11/ 10.5-10.5.8/10.6 – 10.6.2 (Opt.) PCL5e compatible, PCL6 compatible, PostScript 3 compatible(Optional), XPS compatible (Option)

Printer Functions	Content	PCL6/5e	PS3 (OP)
Multiple Pamphlet	Binds multiple pamphlet outputs into a single booklet.	Yes	Yes
Barcode font	JetCAPS BarDIMM emulation	Yes	No
Network tandem print (Available within HDD models of MX-M283/363/453/503)	Two units connected via network can be used simultaneously for a printout.	Yes	Yes (Windows only)
Windows Cluster Print	When a Windows server breaks down, a mirror server takes over and executes the suspended print job.	Yes	Yes (Windows Only)
Encryption PDF/ PDF/ TIFF / JPEG/ XPS direct print	PDF/ TIFF/ JPEG/ XPS file can be printed without printer driver. (1) Printing of e-mail attachment file (2) Printing from FTP/SMB server (3) Printing from setup file on Web page (4) USB memory U model requires MX-PB10 or MX-PB11.	Yes (No for encrypted PDF/PDF)	Yes
E-Mail To Print	Direct printing of an attached file upon receipt of the e-mail. (See (1) above) U model requires MX-PB10 or MX-PB11.	Yes	Yes
Pull print from front panel	Browsing of FTP server from front panel and pull-printing of a specified file (direct printing). (See (2) above) U model requires MX-PB10 or MX-PB11.	Yes	Yes
USB PULL print	Browsing of print data (including sub-folder) in USB from front panel and pull-printing of a specified file. (See (4) above) U model requires MX-PB11 (HDD).	Yes	Yes
SMB PULL print	Browsing of SMB (Network Fonder) on the network from front panel and pull-printing of a specified file. (See (2) above) U model requires MX-PB10 or MX-PB11.	Yes	Yes
FTP push print	Forwarding the data from a client PC to a MFP server and pull-printing of a specified file. (direct printing) (See (2) above) U model requires MX-PB10 or MX-PB11.	Yes	Yes
Print by file setup on Web page [Web Submit Print]	Setting and direct printing of a file on network through Web page. (See (3) above) U model requires MX-PB10 or MX-PB11.	Yes	Yes
ROPM	The function enables the printout of a multiple number of copies in one RIP processing.	Yes	Yes
Multi-access	RIP processing must be allowed during printing. Printing must also be allowed during scanning.	Yes	Yes
Paper direction setting for 2-sided printing of letterhead paper and pre-punched paper. (Logo paper print supported)	Pages with front-back attribute such letterhead or punch paper are to be printed correctly in front-back page order for 2-sided printing.	Yes	Yes

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Printer Functions	Content	PCL6/5e	PS3 (OP)
Enable selected paper type/size in Bypass Tray	For setting of Bypass tray, even if the setup values on the main unit side do not match with those on the driver side, the printing will be executed in the setting of the driver regardless of the setup values on the main unit side.	Yes	Yes
Control of setting environmental control under terminal server control	Print setting of each client is memorized under meta frame environment (auto print create environment). (Setup for each log-in can be skipped.)	Yes	Yes
Driver delivery function	PAU4.0 allows the administrator to deliver a driver to clients. Or enables delivery installation by using MSI.	Yes	Yes
Form overlay	The function downloads a form to the main unit beforehand, sends the contained data only, and inserts the data into the form in the main unit for printout. U model w/o HDD doesn't support this function.	Yes (5e only)	Yes
Planet Press	Object Lune Corporation's Planet Press, which supports utility to create PS from data and download it. U model w/o HDD doesn't support this function.	No	Yes
Improve the download method of font/form	Enhance the editing function on the Web page. <ul style="list-style-type: none"> <li>Deletion of each font/form. (Can be performed on the Web page and with PJI command)</li> <li>Prevent overwriting of font/form (Can be performed on the Web page and with PJI command)</li> </ul> U model w/o HDD doesn't support this function.	Yes (5e only)	Yes
Expansion font list	Perform self-printing of a font list. In PCL5e, ESC command information is needed for BITMAP font. U model w/o HDD doesn't support "download font".	Yes (5e only)	Yes
Bonjour for Macintosh environment	This technology detects and connects peripheral equipment on the network automatically. The dynamic network connection (computer, peripheral equipment and software) is possible without user setting.	Yes	Yes
Document control print	Print the document with a fixed pattern to avoid illegal copy. U model doesn't support this function.	Yes (Opt)	Yes (Opt)
Layout print	Layout supporting various printing applications.	Yes	Yes
Binding with no line	To prevent bound pages from becoming thick, saddle stitch printing is performed for a small number of pages.	No	No
Chapter inserts	The function to allocate the starting page of chapter always to the front face in the case of double-sided printing of multiple-page document like a report.	Yes (PCL6 only)	No
Expansion of margin shift	In the current model, the margin shift width setting value can be changed per 10mm. Change from 10mm to 1mm.	Yes	Yes
Shift	Starting position of print can be adjusted separately by X and Y-axis. Front and back page can be separately adjusted.	No	No
Saddle staple support	In the current model, imposition of images and stapling are performed in Saddle Stitch printing. However imposition is sometimes already performed in the application etc. Therefore, the specification of saddle staple only is added.	Yes (PCL6 only)	N/A
WSD support	For premium logo. (Discovery function for printer)	Yes	Yes
Spool display	Show jobs that will be spooled in HDD before ripping printer jobs. U model w/o HDD doesn't support this function.	Yes	Yes



Image Send Function			
Function	N model	U model w/ HDD	U model w/o HDD
Scanner	Yes	Yes	Yes
Internet Fax/ Direct SMTP	Yes	Yes	No
Fax	Yes	Yes	Yes
Data input	Yes	Yes	No
USB memory scan (Standard function)	Yes	Yes	Yes
Remote PC scan	Yes	No	No

Support Image						
Mode		Scanner	N model	U model w/ HDD	U model w/o HDD	
Scanner	File format (Monochrome)	TIFF	Yes	Yes	Yes	
		PDF	Yes	Yes	Yes	
		Encrypted PDF	Yes	Yes	Yes	
		XPS	Yes	Yes	Yes	
	File format (Colour/ Grayscale)	Colour TIFF	Yes	Yes	N/A	N/A
		JPEG	Yes	Yes	N/A	N/A
		PDF	Yes	Yes	N/A	N/A
		Encrypted PDF	Yes	Yes	N/A	N/A
	Compression method (Monochrome)	XPS	Yes	Yes	N/A	N/A
		Non-compression	Yes	Yes	Yes	Yes
		G3 (1-dimensional) = MH (Modified Huffman)	Yes	Yes	Yes	Yes
	Compression method (Colour/ Grayscale)	G4 = MMR (Modified MR)	Yes	Yes	Yes	Yes
		JPEG (high, middle, low)	Yes	Yes	N/A	N/A
	Compression method (Colour/ Grayscale)	High compressed PDF (MX-EBX3 needed)	Yes (Opt)	Yes (Opt)	N/A	N/A
TIFF-FX (TIFF-F / TIFF-S)		Yes	Yes	Yes	N/A	
Internet Fax Direct SMTP	Compression method (Monochrome)	Non-compression	N/A	N/A	N/A	
		G3 (1-dimensional) = MH (Modified Huffman)	Yes	Yes	N/A	
		G4 = MMR (Modified MR)	Yes	Yes	Yes	N/A
Fax	File format (Monochrome)	N/A	N/A	N/A	N/A	
	Compression method (Monochrome)	MH, MR, MMR, JBIG	Yes	Yes	Yes	
Specified pages per size (Setting of the number of page(s) available)			Yes	Yes	Yes	



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Image Processing						
Mode		Scanner			Internet Fax Direct SMTP N / U (w/ HDD) model	Fax N / U model
		N model	U model w/ HDD	U model w/o HDD		
Original scanning colour	Black-white	Yes	Yes	Yes	Yes	Yes
	grayscale	Yes	N/A	N/A	N/A	N/A
	Full colour	Yes	N/A	N/A	N/A	N/A
	Auto Colour Selection	N/A	N/A	N/A	N/A	N/A
Halftone reproduction	Equivalent to 256 gradations	Yes	Yes	Yes	Yes	Yes
Density adjustment	Auto	Yes (Colour/ gray: Text/Printed photo 3)	Yes	Yes	Yes	Yes
	Manual	5 steps	5 steps	5 steps	5 steps	5 steps
Original document type (Selectable in manual mode)	Text	Yes	Yes	Yes	N/A	N/A
	Text / Photo	Yes	Yes	Yes	N/A	N/A
	Text / printed photo	Yes	Yes	Yes	N/A	N/A
	Photo	Yes	Yes	Yes	N/A	N/A
	Printed photo	Yes	Yes	Yes	N/A	N/A
	Map	Yes	Yes	Yes	N/A	N/A
Magical scan (Area division+ Suppress Background)		N/A	N/A	N/A	N/A	N/A
Selection of image quality		N/A	N/A	N/A	Half tone (Black-white only) ON/OFF	Half tone (Black-white only) ON/OFF
Resolution (depends on file format / transmission method)		100x100dpi	100x100dpi	100x100dpi	200x100dpi (Half tone not allowed)	Ordinary character (203.2x97.8dpi) (middle tone not allowed)
		200x200dpi	200x200dpi	200x200dpi	200x200dpi	Small character (203.2x195.6dpi)
		300x300dpi	300x300dpi	300x300dpi	200x400dpi	Fine (203.2x391dpi)
		400x400dpi	400x400dpi	400x400dpi	400x400dpi	Very fine (406.4x391dpi)
		600x600dpi	600x600dpi	600x600dpi	600x600dpi	N/A
Moire reduction mode		Yes	Yes	Yes	N/A	N/A
Notes' security feature		Yes	No	No	N/A	N/A

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Specification of Address					
Mode	N / U (w/ HDD) model			U model w/o HDD	
	Scanner	Internet Fax Direct SMTP	Fax	Scanner	Fax
Address setting	Setting by Individual/ group/direct address entry, entry from externally-connected keyboard and selection from LDAP server are available * Modes for direct address setting is allowed: e-mail / Internet Fax (including Direct SMTP)/ Fax/ SMB			Setting by Individual/ group/direct address entry, entry from externally-connected keyboard and selection from LDAP server are available * Modes for direct address setting is allowed: e-mail / Fax	
Setting of default address *1	Yes	N/A		Yes	N/A
Number of Individual address key registration	Total (number of key): maximum 1000 (Total registerable number for FTP/ SMB/ Desktop is 200 at max.)			Total (number of key): maximum 500 (Total registerable number for FTP/ SMB/ Desktop is 100 at max.)	
Number of Group (1 key) address registration	Maximum 500			Maximum 300	
Number of Group key registration of direct entry	5000 (Total address number included in 1000 key)			100 (Total address number included in 500 key)	
Program	48 (Group/Individual)			8 (Group/Individual)	
Direct entry of addresses	Entry using Soft keyboard or an external keyboard		Entry by 10-key, # key, * key	Yes (SMB: No)	Entry by 10-key, # key, * key
Directory walking (Refer / Search)	Yes (SMB)	N/A		No	N/A
Chain dial	N/A		Yes (by pause key)	N/A	Yes (by pause key)
Resend	Call up nearest 8 addresses sent as a single destination. *2			Call up nearest 8 addresses sent as a single destination. *2	
Destination confirmation	N/A		Yes	N/A	Yes
Shortcut for address selection (quick key)	Use the 10-key to call up registered numbers of addresses.			Use the 10-key to call up registered numbers of addresses.	
CC / BCC sending	Yes	N/A		Yes	N/A
Subject	Select from the list /direct entry		N/A	Select from the list /direct entry	N/A
Subject registration	30		N/A	30	N/A
File name	Select from the list /direct entry		N/A	Select from the list /direct entry	N/A
File name registration	30		N/A	30	N/A
Reply-To	Select from the list /direct entry / select from LDAP server	N/A	N/A	Select from the list /direct entry / select from LDAP server	N/A
Transmission message (message body)	Yes	Yes	N/A	No	N/A
Transmission message selection	Select from the list /direct entry	Select from the list /direct entry	N/A	No	N/A
Number of letters of transmission message	Maximum of 1800 half-size letters	Maximum of 1800 half-size letters	N/A	No	N/A
Preset mail footer*3	Yes		N/A	Yes	N/A
Disable registration destination from Operation Panel	Yes			Yes	

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Specification of Address					
Mode	N / U (w/ HDD) model			U model w/o HDD	
	Scanner	Internet Fax Direct SMTP	Fax	Scanner	Fax
Disable registration destination on Web page	Yes			Yes	
Disable registration using the network scanner tool	Yes	N/A		Yes	N/A
Disable [Retry] on Fax/Image send mode	Yes			Yes	
Disable selection from the address book	Yes			Yes	
Disable direct entry	Yes			Yes	
Disable broadcast setting	No			No	
Disable PC-I- Fax sending	N/A	Yes	N/A	N/A	N/A
Disable PC-Fax sending	N/A	N/A	Yes	N/A	Yes

\*1: The scanner mode allows setting the default address. To transmit data, users only have to set the original and press the start key.  
 \*2: Desktop, USB memory, SMB, FTP and broadcast are not included  
 \*3: Function to set up a text message that will be added automatically to the message body upon e-mail transmission. Editing upon transmission is not allowed.

Specification of Multiple Addresses					
Mode	N / U (w/ HDD) model			U model w/o HDD	
	Scanner	Internet Fax Direct SMTP	Fax	Scanner	Fax
Broadcast	Yes (e-mail / FTP / Desktop/SMB available)	Yes		Yes (e-mail / FTP / Desktop/SMB available)	Yes
Number of Broadcast destinations	500 (Total registration number for FTP/ SMB/ Desktop is maximum 200)			Total 300 (Total registration number for FTP/ SMB/ Desktop is maximum 100)	
Request of serial transmission	N/A		Yes	N/A	Yes

Transmission Functions					
Mode	N / U (w/ HDD) model			U model w/o HDD	
	Scanner	Internet Fax Direct SMTP	Fax	Scanner	Fax
Memory transmission	94 destinations in all			47 destinations in all	
On-hook	N/A		Yes	N/A	Yes
Quick online transmission	N/A		Yes	N/A	Yes
Direct transmission (Switching: Memory transmission <-> Direct transmission)	N/A		Yes	N/A	Yes
Manual transmission setting	N/A		No	N/A	No
Automatically-reduced transmission	N/A		Yes	N/A	Yes
Rotated transmission	N/A	Yes		N/A	Yes

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Transmission Functions		N / U (w/ HDD) model			U model w/o HDD	
Mode		Scanner	Internet Fax Direct SMTP	Fax	Scanner	Fax
Scaled transmission		Yes Enlargement/reduction is allowed only from a fixed size to another.			Yes Enlargement/reduction is allowed only from a fixed size to another.	
Recall mode	Error	N/A	Yes		N/A	Yes
	Busy	N/A	Yes (D-SMTP)	Yes	N/A	Yes
		N/A	Fax: only number is set. DSMTP: Number/time is set in the System Settings.	Yes	N/A	Yes
Long original transmission		Yes Maximum of 1000mm (1-side only/ Mono2 only) I-FAX, 600x600dpi: Maximum of 800mm Scanner, 400dpi or more: impossible			Yes Maximum of 1000mm (1-side only/ Mono2 only) Scanner, 400dpi or more: impossible	
Change of the number of pages for each file		Yes	N/A		N/A	N/A
Job partition through recognition of white paper.		No	N/A		No	N/A
Ignore blank paper		No	N/A		No	N/A
Restriction on transmission size		Yes (Direct SMTP doesn't have limitation)		No	Yes	N/A
Drop-out color		No	N/A		No	N/A
Finish stamp function		Yes(Opt)			Yes(Opt)	
Confidential transmission (Sharp mode)		N/A		No	N/A	No
Relay broadcast transmission (Sharp mode)		N/A		No	N/A	No
Job build mode		Yes			Yes	
Slow scan mode		Yes			Yes	
Mixed originals feeder		Yes (random+MIX)			Yes (random+MIX)	
Default date sender transmission (ON only)		N/A	Yes		N/A	Yes
Preview		Yes (N model only)			N/A	
Edge erase (Edge/ Edge+ center/ center/ side)		Yes			Yes	
Original count		Yes			Yes	
Book division		No			No	
Fax destination confirmation (Preventing miss-transmission)		N/A	Yes		N/A	Yes

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Reception Functions					
Mode	N / U (w/ HDD) model			U model w/o HDD	
	Scanner	Internet Fax Direct SMTP	Fax	Scanner	Fax
Automatic reception	N/A	Yes		N/A	Yes
Manual reception	N/A	Yes (Direct SMTP: No)	Yes	N/A	Yes
Switching from manual reception to automatic reception	N/A	N/A	Yes (SEF only)	N/A	Yes (SEF only)
Fixed size reduced reception	N/A	Yes		N/A	Yes
Specified size scaled reception	N/A	No		N/A	No
Rotated reception	N/A	Yes		N/A	Yes
Setting of received data print condition	N/A	N/A	Yes	N/A	Yes
2-sided reception	N/A	Yes		N/A	Yes
2-in-1 reception	N/A	No		N/A	No
A3 RX automatic reduce print (Inch type and Fax using destinations only)	N/A	Yes		N/A	Yes
Letter Size RX automatic reduce print (AB type and Fax using destinations only)	N/A	Yes		N/A	Yes
Allowing Address / Domain setting reception	N/A	Yes (50 domains)	N/A	N/A	N/A
Not allowing Address / Domain setting reception (To be rejected)	N/A	Yes (50 domains)	N/A	N/A	N/A
Allowing reception from a specific number.	N/A	Specified numbers only (50 numbers / 20 digits)		N/A	Specified numbers only (30 numbers / 20 digits)
Not allowing reception from a specific number. (To be rejected)	N/A	Specified numbers only (50 numbers / 20 digits)		N/A	Specified numbers only (30 numbers / 20 digits)
External phone connection remote	N/A	Yes		N/A	Yes
Confidential reception (Sharp mode)	N/A	No		N/A	No
Received data bypass output	N/A	Yes		N/A	Yes

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Reception Functions					
Mode	N / U (w/ HDD) model			U model w/o HDD	
	Scanner	Internet Fax Direct SMTP	Fax	Scanner	Fax
Reception confirmation cycle setting	N/A	Yes (Setting by 0-8 hours / each minute ) (Direct SMTP: No)	N/A	N/A	N/A
POP3 communications timeout setting	N/A	Yes (Setting by 30-300 / every 30 seconds) (Direct SMTP: No)	N/A	N/A	N/A
Index printing	N/A	No		N/A	No
Body text print setting	N/A	Yes	N/A	N/A	N/A
Transfer function during output is disabled.	N/A	Yes (1 transfer receiver can be registered each.)		N/A	Yes (1 transfer receiver can be registered each)
Inbound routing I-Fax / Fax to e-mail (Transfer of I-Fax / Fax reception data to e-mail, inbound routing)	N/A	Yes 1. Formats can be selected. (PDF/ Single TIFF/ Multi TIFF/XPS) 2. Destinations: e-mail/FTP/SMB/ Desktop 3. Information about the MFP that transfers the data is added to the transferred data. 4. Transmission table has timetable.	N/A	N/A	No
Exit tray setting	N/A	Yes		N/A	Yes
Insertion of job separator sheet	N/A	No		N/A	No
Print number setting of received data	N/A	No	Yes	N/A	Yes
Staple function of received data	N/A		Yes	N/A	Yes
Auto wake up print	N/A	Yes		N/A	Yes
Hold Setting for Received Data Print (All RX data into the Memory regardless)	N/A	Yes		N/A	Yes
Foot print	N/A	Yes		N/A	Yes
Image Check (Preview)	N/A	Yes (N model only/ Users can check received data before printing it)		N/A	N/A
Alternative reception number	N/A	100 (Total of I-Fax and Fax)		N/A	50



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Other Functions					
Mode	N / U (w/ HDD) model			U model w/o HDD	
	Scanner	Internet Fax Direct SMTP	Fax	Scanner	Fax
Time specification	Yes			No	Yes
Polling reception	N/A		Yes	N/A	Yes
Bulletin board transmission	N/A		Yes Up to 100 registrations allowed with bulletin board, confidential and relay broadcast all combined. (Free area: 1 registration) Setting of the number of transmission: 1 / no limit.	N/A	Yes Up to 100 registrations allowed with bulletin board, confidential and relay broadcast all combined. (Free area: 1 registration) Setting of the number of transmission: 1 / no limit.
Cover sheet function	N/A			N/A	
Transmission message	N/A			N/A	
Sender print	N/A	Yes		N/A	Yes
Sender selection	N/A		Yes	N/A	Yes
Page number print	N/A	Yes		N/A	Yes
Date print	N/A	Yes (Date indication can be changed)		N/A	Yes (Date indication can be changed)
Polling protection function	N/A		Yes	N/A	Yes
Page partition transmission	Yes			Yes	
Page connection	No			No	
Confidential transmission	N/A		Yes (F code method)	N/A	Yes (F code method)
Relay broadcast instruction Transmission	N/A		Yes (F code method)	N/A	Yes (F code method)
Relay broadcast transmission (Fax to e-mail/ Internet Fax/ Fax (F code)*)	N/A		Yes	N/A	Yes (Fax to e-mail/ Fax to Fax only)
2 in 1 transmission	No (Allowed for Fax / I-Fax broadcast)	Yes		No (Allowed for Fax broadcast)	Yes
Suppress background	Yes (Only color and gray scale)	N/A		N/A	N/A
Card shot	Yes (Ratio 63-400%)			Yes (Ratio 63-400%)	

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Other Functions					
Mode	N / U (w/ HDD) model			U model w/o HDD	
	Scanner	Internet Fax Direct SMTP	Fax	Scanner	Fax
Transmission confirmation	N/A	Yes Timeout time can be set from 1 minute – 240 hours by each minute (Direct SMTP: No)	N/A	N/A	N/A
Forwarding sent and received data (Document Admin)	Yes Forwarding data formats can be selected. (Single TIFF/Multi TIFF/PDF/XPS) (Scan to e-mail/ FTP/ SMB/ Desktop/ PC-Internet Fax/PC- Fax/ Fax/ I-Fax are also supported) Folder setting by each of send and receive is supported.			Yes Forwarding data formats can be selected. (Single TIFF/ Multi TIFF/PDF/XPS) (Scan to e-mail/ FTP/ SMB/ Desktop/ PC- Fax/ Fax are also supported) Folder setting by each of send and receive is supported.	
Number of Job status indication	99	99	99	50	50

\* Function that enables settings of email/ I-FAX/ Fax addresses as destinations of F-code broadcast.

Transmission method			
Mode	Scanner	Internet Fax Direct SMTP	Fax
Transmission time		N/A	2 seconds level (super G3 / JBIG) 6 seconds level (G3 ECM)
Modem speed		N/A	Automatic fall-back: 33.6kbps ->2.4kbps
Intercommunication		N/A	Super G3 / G3
Communication line		N/A	General membership telephone line (PSTN), independent business line (PBX), F net. R-key for PBX setting: SEGA
Maximum number of lines		N/A	1 line
ECM		N/A	Yes

Record Size			
Mode	Scanner	Internet Fax Direct SMTP	Fax
Maximum record width	N/A		293mm
Record size	N/A		A3 to A5

Registration-Related Setting					
Mode	N / U (w/ HDD) model			U model w/o HDD	
	Scanner	Internet Fax Direct SMTP	Fax	Scanner	Fax
Individual/ group *1 e-mail/ FTP/ Desktop/ SMB/ Internet Fax (Direct SMTP)/ Fax	1000 destinations LDAP can be used.			500 destinations LDAP can be used.	
Maximum registration number per group dial	500 addresses			300 addresses	

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Registration-Related Setting					
Mode	N / U (w/ HDD) model			U model w/o HDD	
	Scanner	Internet Fax Direct SMTP	Fax	Scanner	Fax
One-touch name registration	36 characters in full and half size			36 characters in full and half size	
One-touch dial receiver number registration (Fax)	Up to 64 digits including receiver number, sub-address and passcode (including "/").			Up to 64 digits including receiver number, sub-address and passcode (including "/").	
Group name registration	36 characters in full and half size			36 characters in full and half size	
Address book registration from Resend screen	No			No	
Default address setup	Yes	N/A		Yes	N/A
Desktop registration (Registration by using Web or NST (network scanner tool))	Yes	N/A		Yes	N/A
SMB destination registration (Can be registered on the Web.)	Yes	N/A		Yes	N/A
FTP destination registration (Can be registered on the Web.)	Yes	N/A		Yes	N/A
Program Addresses (Individual, groups), settings (density, image quality, resolution, original setting) and special functions can be registered in one set.	48			8	
Number of memory boxes (Including bulletin board/confidential /relay broadcast)	N/A		100	N/A	30
Memory box registration name	N/A		Up to 18characters in full and half size	N/A	Up to 18characters in full and half size
Reply-To registration	1000 (user registration from Web)	N/A		200 (user registration from Web)	N/A
Number of sender registration	N/A	1 (20 characters) Only one sender is registered, and I-Fax/Fax addresses or phone numbers are registered in the name part. (40 characters in half size is available by soft switch setting)		N/A	1 (20 characters) Only one sender is registered, and Fax addresses or phone numbers are registered in the name part. (40 characters in half size is available by soft switch setting)

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Registration-Related Setting					
Mode	N / U (w/ HDD) model			U model w/o HDD	
	Scanner	Internet Fax Direct SMTP	Fax	Scanner	Fax
Number of sender selection registration	N/A	N/A	Total: 18 (20 characters) (In addition to default, 18 registrations available) (40 characters in half size is available by soft switch setting)	N/A	Total: 18 (20 characters) (In addition to default, 18 registrations available) (40 characters in half size is available by soft switch setting)
Registration of polling approval number	N/A		Yes 10 numbers / 20 digits	N/A	Yes 10 numbers / 20 digits
Registration of Fax system number (Sharp mode)	N/A		No	N/A	No
Registration of Fax polling approval ID number (Sharp mode)	N/A		No	N/A	No
Fax relay ID registration (Sharp mode)	N/A		No	N/A	No
Quick key (short cut registration) *2	Yes (0001 - 1000)			Yes (001 - 500)	
Retrieving/scanning of registered data to other model	Yes (By address book conversion utility)			Yes (By address book conversion utility)	
Import/export of address book	Yes (By storage backup)			Yes (By storage backup)	
*1: Since scan / I-Fax (including Direct SMTP)/ Fax uses the common address book, the number of addresses allowed for registration is the sum total of all modes.					
*2: Quick key is the function to select an address based on the registered number of each address within the book for address selection. Users can select a quick key number.					

PC- Fax / PC- I-Fax operating environment	
OS	Windows 98/ Windows Me/ Windows NT4.0 Workstation(Service Pack5, IE4.0 or more)/ Windows 2000/ Windows XP Home Edition/ Windows XP Professional/ Windows Server 2003/ Windows Server 2008 Windows Vista/ Windows 7
PC	IBM PC/AT compatible machine
CPU	Pentium 2 300MHz or more
Monitor	Screen resolution: 640x480 Pixels or more Colors: 256 or more
Memory	64MB or more
HDD	Free space: 50MB or more
Interface	USB 2.0 10/100BASE-TX
Communications protocol	LPR / lp / Port9100(RAW)/ IPP/ USB2.0

PC- Fax / PC- I-Fax functions	
PC- I-Fax Send	Yes (Necessary options: Internet Fax expansion kit) Maximum I-Fax address: 64 digits
PC- Fax Send	Yes (with Fax equipped) Maximum Fax number: 64 digits (including sub-address and passcode)
Resolution	200x100dpi / 200x200dpi / 200x400dpi / 400x400dpi / 600x600dpi*

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PC- Fax / PC- I-Fax functions			
	*I-Fax/Direct SMTP only. Windows 2000 type is only supported.		
Transmission original sizes	A3 / B4 / A4 / A5 / B5 / 11x17 / 8.5x14 / 8.5x11 / 5.5x8.5 / 8.5x13 / 8k / 16k		
Compression method	MH / MMR		
Broadcast transmission	Yes (Mix of Fax and I-Fax is available. Maximum destination: 500)		
F code transmission	Yes	Sub-address	Yes. Maximum 20 digits
		Passcode	Yes. Maximum 20 digits
Phone book registration / transmission function	Yes		
Use of MFP phone book	No		
Attach cover sheet function	Yes (Not allowed for broadcast transmission)		
Create cover sheet function	Yes		
Own Number Send	Yes		
Preview function	Yes		
Transmission confirmation (Notice to PC by NJR)	Yes		
Document filing function	Filing	N model, U w/HDD model: Yes U w/o HDD model: No	
	Quick File	N model, U w/HDD model: Yes U w/o HDD model: No	
PC-Fax Transmission log	Yes (Re-transmission not allowed)		
User authentication	Yes		
Timer	No		
R-KEY (SEGA only)	Yes		

Document Filing Function (N model/ U model w/HDD)		
Capacity for document filing	Main folder Custom folder	38GB
	Quick file folder	12GB
Pages or files that can be saved	Main folder Custom folder	MAX 20,000 pages or 3,000 files
	Quick file folder	MAX 10,000 pages or 1,000 files
Maximum number of user folder	Maximum of 1,000 folders	
Number of registerable users	Depends on the number of user registrations. (1,000 users)	



## CONFIGURATIONS

### Options List

Model Name	Description	Remark
MX-DEX8	Stand/ 500-Sheet Paper Drawer	
MX-DEX9	Stand/ 500x2-Sheet Paper Drawer	
MX-LCX1	3,500 Sheets Large Capacity tray	
MX-TRX2	Exit Tray Unit	
MX-FNX9	Inner Finisher	Can not install with MX-FN10 or MX-FN11.
MX-PNX1A/C/D	Punch Module (A: 2 , C: 4 , D: 4 wide)	MX-FNX9 is required.
MX-FN10	Saddle Finisher (1000-sheet)	MX-RBX3 is required.
MX-PNX5A/C/D	Punch Module (A: 2, C: 4, D: 4 wide)	MX-FN10 is required.
MX-FN11	Finisher (4000-sheet)	MX-RBX3 is required.
MX-PNX6A/C/D	Punch Module (A: 2, C: 4, D: 4 wide)	MX-FN11 is required.
MX-RBX3	Paper Pass Unit	
MX-KBX2SE/SB/SF	Keyboard (SE: English/ SB: German/ SF: French/ SG: Swedish, Finnish/ SH: Danish, SJ: Norwegian)	For N model
MX-TU11	Exit Tray Cabinet Unit	
MX-PB10	Printer Expansion kit	For U model
MX-PB11	Printer Expansion Kit with HDD	For U model
MX-PKX1	PS3 Expansion Kit	
MX-PUX1	XPS Expansion Kit	MX-SMX3 is required.
MX-SMX3	Expansion Memory Board (1GB)	
AR-PF1	Barcode font kit	
MX-FXX2	Facsimile Expansion Kit	
AR-SU1	Stamp Unit	
MX-FWX1	Internet-FAX Expansion Kit	U model (MX-PB11 is required.)
MX-NSX1	Network Scanner Expansion Kit	
MX-AMX1	Application Integration Module	U model (MX-PB11 & NSX1 is required.)
MX-AMX2	Application Communication Module	U model (MX-PB11 is required.)
MX-AMX3	External Account Module	U model (MX-PB11 is required.)
MX-EBX3	Enhanced Compression Kit	U model doesn't support it.
MX-FR14	Data Security Kit (for HDD model)	U model (MX-PB11 is required.)
MX-FR14U	Data Security Kit Commercial ver (for HDD model)	U model (MX-PB11 is required.)
MX-FR15* <sup>1</sup>	Data Security Kit (for non-HDD model)	U model (Can't be installed with MX-PB11. N model doesn't support it.)
MX-FR15U	Data Security Kit Commercial ver (for non-HDD model)	U model (Can't be installed with MX-PB11. N model doesn't support it.)
MX-USX1/USX5	Sharpdesk ver3.3 1/5-License Kit	
MX-US10/US50	Sharpdesk ver3.3 10/50-License Kit	
MX-USA0	Sharpdesk ver3.3 100-License Kit	

\*<sup>1</sup>: Production start from July '10



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■ **Functional Combinations**

**N Series**

	Copy	PCL Printing	PS Printing	XPS Printing	Fax	I-Fax	B/W Scan	Colour Scan	Filing	Security	Sharp OSA
MX-M503N/453N/363N/283N	√	√	√	√	√	√	√	√	√	√	√
MX-PKX1			√								
MX-PUX1				√							
MX-SMX3				√							
MX-FXX2					√						
MX-FWX1						√					
MX-EBX3 (Only for Compact PDF)								√			
MX-FRX14/14U										√	
MX-FRX15/15U											
MX-AMX2/3											√

✓ required

**U Series**

	Copy	PCL Printing	PS Printing	XPS Printing	Fax	I-Fax	B/W Scan	Filing	Security For HDD model	Security For non-HDD model	Sharp OSA
MX-M503U/453U/363U	√	√	√	√	√	√	√	√	√	√	√
MX-PB10		√	√	√							
MX-PB11						√		√	√		√
MX-PKX1			√								
MX-PUX1				√							
MX-SMX3				√							
MX-NSX1							√				
MX-FXX2					√						
MX-FWX1						√					
MX-FRX14/14U (for HDD model)									√		
MX-FRX15/15U (for non-HDD model)										√	
MX-AMX2/3											√

✓ required

**MX-M503N/U 453N/U  
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Installation Reference Guide

Options	Installation/Soft Keys
MX-PKX1 PS3 Expansion Kit	Soft key has to be input for activation.
MX-PUX1 XPS Expansion Kit	Soft key has to be input for activation.
MX-FXX2 Fax Expansion Kit	Install External box by using parts for mounting.
MX-FR14U/15U Data Security Kit (Commercial Version)	Replace flash ROM physically. Only N models include the Document control board as standard equipment. Then soft key has to be input for activation.
MX-FR14/15 Data Security Kit	Replace flash ROM physically. Only N models include the Document control board as standard equipment. Then soft key has to be input for activation.
MX-FWX1 Internet Fax Expansion Kit	Soft key has to be input for activation.

■ Consumables List

Model name	Contents	Qty	Life	Min. Order Qty	Remark
MX-500GT	Toner cartridge (IC Chip: Yes) (Toner stirring mechanism: Yes)	x 1	40 k	10	A4 6% coverage
MX-500GV	Developer	x 1	200k (150K*)	10	
MX-500GR	OPC Drum	x 1	200k (150K*)	10	The drum is supplied with the machine
MX-503UH	Upper Heat roller kit (200K kit)	x 1	200k (150K*)	10	
MX-503LH	Lower heat roller kit (200K kit)	x 1	200k (150K*)	10	
MX-503WC	Web cleaning kit	x 1	200k (150K*)	10	
MX-503TU	Transfer kit	x 1	200k (150K*)	10	
MX-503DS	DV seal kit	x 1	200k (150K*)	10	
MX-503MK	Main charger kit	x 1	200k (150K*)	10	
MX-503HB	Toner collection container	x 1	80k	5	
MX-503PD	Paper dust removing unit	x 1	200k (150K*)	10	
MX-503FL	Filter kit	x 1	400k (300K*)	10	
MX-SCX1	Staple cartridge (5k)	x 3	5k x 3	20	For MX-FNX9/FN10
AR-SC2	Staple cartridge (5k)	x 3	5k x 3	20	For MX-FN11
AR-SC3	Staple cartridge (2k)	x 3	2k x 3	40	For MX-FN10
AR-SV1	Stamp cartridge	x 2	-	20	Common with Hercules

\* For MX-M283N only