

## Technical Specifications: HP Color LaserJet 8500

### Speed & Throughput

24 ppm rated engine speed for b/w A4 documents and 6 ppm rated engine speed for full colour A4 paper documents 2.1 ppm rated engine speed for colour transparencies. First page out speed 21 sec for b/w printing, 36 sec. For full colour printing (to face down tray). 133 MHz MIPS 4700 processor for colour format. Warmup time less than 5 min.

### Print quality

600x600 dpi resolution, 24 bit colour. User selectable glossy or matte finish. HP Image Ret 2400 for text, colour graphics and photo like printing. HP ColorSmart II for colour matching printing. Colour Management System supporting Pantone & ICC industry standard

### Printing process

Four toner dry type laser electrophotography (CYMK)

### Typefaces

45 scaleable HP FontSmart typefaces built in. 136 scaleable Adobe PostScript Type 1 typefaces. Accepts HQ3 Intellifont and Type 1 typefaces with HP FontSmart software installed. TrueType rasterizer both in PCL and PostScript languages.

### Memory

32/32/64 MB RAM standard depending on model, maximum 416 MB. 8 universal DIMM slots. Optional DIMM modules in 4, 8, 16, 32, 64 MB (in pairs only). 2 GB IDE hard disk factory installed (model DN) or optional EIO. Advanced compression technology.

### Printer languages

HP Colour PCL5(†) and Adobe PostScript level 3 standard in all models.

### Connectivity

IEEE 1284 parallel C-connector standard. 2 EIO slots for fast data transfer and modular expansion. NOS support in conjunction with HP JetDirect card (EIO): Novell NetWare (IPX/SPX); Microsoft LAN Manager (LLC/DLC); IBM LAN Server (LLC/DLC); MS Windows for Workgroups; MS Windows NT (LLC/DLC); HP UX<sup>1</sup>; SunOS<sup>2</sup>; Solaris; SCO Unix; IBM AIX<sup>2</sup> (TCP/IP); AppleTalk (EtherTalk, LocalTalk, DDP/ATP). Optional HP JetDirect/Token Ring supports all listed NOS except AppleTalk. Automatic network protocol switching allows printer

to support more than one NOS. HP JetDirect cards support <sup>1</sup>SNMP. <sup>2</sup>*Software support is required.*

<sup>2</sup>*Software is supported directly from vendor*

### Paper handling

2 x 500 sheets input cassettes (Upper tray accepts letter, A4, legal, B4; Lower tray also accepts 11" x 17" and A3). 1 x 100 sheets multipurpose tray accepts all standard sizes plus up to 12 x 18.5" paper and Com 10<sup>1/2</sup>" envelopes. Output tray holds 500 face down sheets. Face up tray holds 100 sheets of 75 g/m<sup>2</sup> paper. Duplex unit is standard in DN model. 8 Bin mailbox (DN model only), 3 output modes (mailbox, job separation, stacking) optional.

### Media types and weights

Recycled paper - 60 to 105 g/m<sup>2</sup> through standard trays. Multipurpose tray accept 60 to 216 g/m<sup>2</sup> paper. HP Colour LaserJet transparency film. HP Colour LaserJet glossy media. Laser printer qualified labels. Envelopes: Com 10, Monarch, C5, B5, DL, Com 10<sup>1/2</sup>".

### Control panel

Graphical display backlit 2 x 16 LCD. 11 languages: dan, du, en, fin, fre, ge, it, nor, swe, spa, por. Cancel job button.

### Standard software

PCL: HP LaserJet Printing System for MS Windows 3.1/95/NT HP ColorSmart II driver, TT screen fonts, HP FontSmart OS/2 PCL drivers, HP JetAdmin and Web JetAdmin, Pantone, Auto CAD driver, UNIX scripts.

PostScript: MS Windows 3.1/95/NT Adobe PostScript level 3 driver with ColorSmart; Macintosh printer software installer; HP JetAdmin software; OS/2 PostScript driver.

(Optional available: HP JetAdmin software for HP UX, Solaris and SunOS.)

### Operating & Environmental ranges

(Printer & toner) Operating 15°C to 27°C, storage 0 to 35°C. Altitude: operating up to 3100 m, storage up to 4600 m. Humidity: operating & storage 10% to 70% RH. Acoustic: 55 dBA printing, 49 dBA standby

### Power requirements

220V AC to 240V AC, 50 to 60 Hz. Power consumption typical 375 W colour printing, 750 W mono printing, stdby 220 W. EnergyStar power save mode 45 W or less.

### Size/Weights

WDH: 668 x 714 x 1060 mm basic model. Weight: 101.2 kg basic model, including cartridges.

### Certifications

UL and cUL listed; Non-NYCE approved and carries CE marking for Eu EMC and Low Voltage Directives; complies with IEC 950/EN 60950 and IEC 825-1/EN 60525-1 (Class 1 Laser Product/LED product); meets CISPR-22 and FCC level B limit.

### Supplies life

Black cartridge 15000 pgs A4 5% coverage. C/Y/M cartridge 8500 pgs A4 5% coverage. Drum kit 17000 pgs (2.7 mo average usage). Transfer kit 300000 pgs (16 mo average usage). Fuser Kit 150000 pgs (25 mo average usage).

### Warranty

One year on-site warranty on printer and original imaging units. HP installation included in DN model. 90-day warranty on replacement imaging units and toner supplies. 3 year SupportPack available.

## HP Color LaserJet 4500

### Speed & throughput

16 ppm rated engine speed for b/w A4 documents. 4 ppm rated engine speed for full colour A4 paper documents. 2 ppm rated engine speed for colour transparency, heavy and glossy paper. First page out speed 12.5 sec for b/w printing, 24 sec for full colour printing. 133 MHz NEC VR4300 microprocessor. Warmup time less than 3 min.

### Print quality

600 x 600 dpi resolution, 24 bit colour. User selectable matte or glossy finish. HP Image Ret 2400 for text, colour graphics and photo printing. HP ColorSmart II for colour matching printing. Colour Management System supports Pantone & ICC industry standard.

### Printing process

Four toner dry type laser electrophotography (CYMK).

### Typefaces

110 scaleable TrueType fonts (80 printer resident, 30 via FontSmart; all PCL and HP PostScript accessible). Intellifont and Truetype rasterizers built in.

### Memory

32/64/64 MB RAM standard depending on model, maximum 208 MB. 3 universal DIMM slots. Optional DIMM modules in 4,8,16, 32, 64 MB Memory Enhancement technology (Met) for colour PCL & HP PostScript.

### Printer languages

HP Colour PCL5 and emulated PostScript level 2.

### Connectivity

IEEE 1284 parallel C-connector standard. 2 EIO slots for fast data transfer and modular expansion. NOS support in conjunction with HP JetDirect card (EIO): Novell NetWare (IPX/SPX); Microsoft LAN Manager (LLC/DLC); IBM LAN Server (LLC/DLC); MS Windows for Workgroups; MS Windows NT (LLC/DLC); HP UX<sup>1</sup>; SunOS<sup>2</sup>; Solaris; SCO Unix<sup>2</sup>; IBM AIX<sup>2</sup> (TCP/IP); AppleTalk (EtherTalk, LocalTalk, DDP/ATP); AT&T GIS SVR-4<sup>2</sup>; SG Lan Manger<sup>2</sup>; Tandem OS<sup>2</sup>; ICL Unix<sup>2</sup>; DEC OSF/2 Ultrix; SGF. Optional HP JetDirect/Token Ring supports all listed NOS



Expanding Possibilities

except AppleTalk. Automatic network protocol switching allows printer to support more than one NOS. HP JetDirect cards support SNMP.

<sup>1</sup>*Software support is required.*

<sup>2</sup>*Software is supported directly from vendor*

### Paper handling

1x 250 sheets input cassettes.Adjustable tray accepts letter, executive, A4, A5, legal, B4, B5 sizes. 1 x 150 sheets multipurpose tray accepts all standard sizes plus labels and Com 10<sup>1/2</sup>" envelopes. Output tray holds 250 face down sheets. Face up tray holds 100 sheets of 75 g/m<sup>2</sup> paper. Duplex unit is standard in DN model. 500 sheet input tray is standard in DN model

### Media types and weights

Recycled paper - 75 to 90 g/m<sup>2</sup> through standard trays.

Multipurpose tray accept 75 to 150 g/m<sup>2</sup> paper. HP

Colour LaserJet transparency film. HP Colour LaserJet glossy media. Laser printer qualified labels. Envelopes: Com 10, Monarch, C5, B5, DL, Com 10<sup>1/2</sup>".

### Control panel

Graphical display backlit 2 x 16 LCD. 15 languages: dan, du, en, fin, fre, ge, it, nor, swe, spa, por, cze, pol, rus, jap. Cancel job button.

### Standard software

PCL: HP LaserJet Printing System for MS Windows 3.1/3.51/4.0/95/NT

PCL ColorSmart II driver, TT screen fonts,

HP FontSmart

OS/2 PCL drivers, HP JetAdmin for NetWare

HP PostScript emulation:

MS Windows 3.1/95/NT, PostScript driver with ColorSmart II; Macintosh printer software installer; PostScript driver with ColorSmart II; OS/2 PostScript driver.

### Operating & Environmental ranges

(Printer & toner) Operating 10°C to 30°C, storage 0°C to 35°C. Altitude: operating up to 3100 m, storage up to 4600 m. Humidity: operating 15% to 80% RH, storage 10% to 80% RH. Acoustic: 56 dBA printing, 48 dBA standby.

### Power requirements

220V AC to 240V AC, 50 to 60 Hz. Power consumption typical 500W, stdby 140W. EnergyStar power save mode 45W or less.

### Size/Weights

WDH: 500 x 570 x 380 mm basic model. Weight: 50 kg basic model without cartridges.

### Certifications

UL and cUL listed, Non-NYCE, CE marking for Eu EMC and Low Voltage Directives, IEC 950/EN 60950, IEC 825-1/EN60525-1 (Class 1 Laser Product/LED product), CISPR-22, FCC level B.

### Supplies life

Black cartridge 9000pgs A4 5% coverage. C/Y/M cartridge 6000 pgs A4 5% coverage. Drum kit 12000 pgs (6 mo average usage). Transfer kit 32000 pgs (20 mo average usage). Fuser Kit 150000 pgs (6 years average usage).

### Rated max. monthly volume

Up to 35000 pgs/m.

### Warranty

One year on-site warranty on printer and original imaging units. 90-day warranty on replacement imaging units and toner supplies. 3 year Support Pack available.

Hewlett-Packard peripherals and personal computers are available at HP authorised dealers worldwide.

IBM OS/2 WARP is a registered trademark of IBM. MS-DOS, Windows 95 and Microsoft are US registered trademarks of Microsoft Corporation. Novell and NetWare are registered trademarks of Novell Corp. UNIX is a registered trademark of X/Open Ltd. As an Energy Star™ Partner, HP has determined that this product meets the Energy Star guidelines for energy efficiency.

All brand and product names are trademarks or registered trademarks of their respective companies.

The information in this document is subject to change without notice.

© Copyright Hewlett-Packard Company 1998  
Printed in the Netherlands 8/98

5967-5305EN

performance

HP

Color LaserJet

Business Printers

*The ultimate experience in colour printing*



HP Color LaserJet 4500



HP Color LaserJet 8500

Shown with Multi-bin mailbox output accessory

In a market where demand for matte and glossy finish colour printing is growing beyond the capabilities of current colour printers, the HP Color LaserJet 8500 and HP Color LaserJet 4500 offer an unrivalled opportunity to fulfil your needs.



Expanding Possibilities

- For IT managers, department managers, PC/LAN managers in medium to large sized businesses who are looking for a highly reliable colour solution to meet end-user demands for high quality, fast, flexible and cost-effective colour printing

- A fast colour printer developed for creatives in advertising/marketing/ sales and the CAD/CAM environment, which avoids the high-cost alternative of outsourcing. HP Color LaserJet printers allow the user to produce high-impact posters, brochures, flyers and design documents and print without the frustration of streaking, inaccurate colour matching and smudging that other printers are prone to

- The HP Color LaserJet series printers are ideal for professional end users in workgroups and business departments who need to create documents which offer a competitive advantage in selling their ideas, products or analysis to external customers or internal managers through proposals, reports and newsletters

- As an upgrade of the Color LaserJet 5 series, the new HP Color LaserJet family of printers is the next generation of high-definition colour printers which offers exceptional reliability in network and non-network environments, new improved paper handling, stunning high resolution colour graphics, faster output speed and lower cost-of-ownership

† Available shortly

For more information, please call your local HP sales office or representative: **Austria:** (1) 25000-536,

**Belgium and Luxembourg:** (02) 7783400, CIS: (095) 928 6885, Croatia (Hermes Plus): 541-525931, **Czech**

**Republic:** (00 420) 261307111 (Prague). **Denmark:** 45991125, **East Central Europe (Vienna HQ plus Albania, Bulgaria**

**and Romania):** (+43) 1-250 00, **Finland:** (09) 88721, **France:** (1) 69 82 6060, **Germany:** 0180 532 6222 (0.48 DM per

minute), **Greece:** (01) 6896411, **Hungary:** (1) 343-0310, **Iceland:** (01) 671000, **Ireland:** (01) 2844633,

**Italy:** (02) 92121, **Netherlands:** (020) 5476666, **Norway:** 22 735600, **Poland:** (22) 608 77 00, **Portugal:** (1) 482 8500,

**Slovenia (Hermes Plus):** 661 1593322, **Spain:** (1) 6311600, **Sweden:** (08) 444 2000, **Switzerland:** 084 880 1111, **Turkey:**

(0212) 2245925, **UK:** (0990) 474747, **International Sales Branch (ISB) for Middle East and Africa (Geneva):** (22)

7804111, **European Headquarters (Geneva):** (22) 7808111.

For further information contact the Hewlett-Packard Internet website at: <http://www.hp.com>



# The HP Color LaserJet Family -

create an impact with full resolution colour printing

The HP Color LaserJet series printers set a new standard for colour printing by producing documents of exceptional quality at high speed in networked and non-networked environments, thanks to these new features:

## Superb High Definition Colour

The HP Color LaserJet Series printers are installed with HP's new resolution enhancement technologies which maximise colour output quality at full engine speed:

- True 600 dpi 24 bit colour - provides an exceptional true colour of 300 lines per inch for outstanding clarity
- Image REt 2400 - image enhancement technology that produces crisp, sharp text; thin lines, bold graphics and photolike images
- Matte and glossy finish modes
- Automatic colour calibration - ensures consistent colour and avoids the frustration of streaking, inaccurate colour matching and smudging
- HP ColorSmart II - optimises images printed from the Internet and multimedia applications, provides - colour matching, consistent colour and half-toning via industry-standard sRGB support, and utilises Intel's MMX™ Technology for colour processing up to 200% faster
- Colour Management System supporting Pantone and ICC Industry Standard

## Faster Performance

The high standards of the HP Color LaserJet 8500 have been enhanced by HP technology which maximises output speed and reduces waiting time:

- 24 pages per minute (ppm) rated engine speed for black-and-white A4 documents (16 ppm for HP Color LaserJet 4500)

- 6 ppm engine speed for full-colour A4 paper documents (4 ppm for HP Color LaserJet 4500)
- 1.5 ppm engine speed for colour A3 size media and heavy or glossy paper
- 133 MHz MIPS 4700 processor - works on a reduced instruction principle to provide better performance and fast colour formatting (133 MHz NEC VR4300 for HP Color LaserJet 4500)
- 1 MB per second Expanded Capabilities Port (ECP) parallel C-connector I/O
- Up to 128 MB memory capable of printing colour-intensive files at high speed
- First-page-out in 21 seconds for A4 black-text printing and 36 seconds for A4 full-colour printing (12.5 seconds/ black text and 24 seconds/ full colour for HP Color LaserJet 4500)
- HP Transmit Once and MOPying (in HP Color LaserJet 8500) - simplifies workflows and reduces network traffic by enabling the user to send a single command and receive multiple original copies, which eliminates a trip to the photocopier

## Superior Network Management

Network administrators will be able to effectively manage all their network printers in a fast and flexible mixed environment

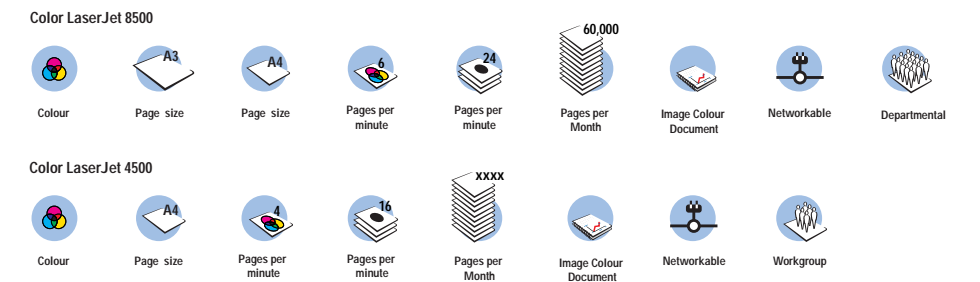
- HP JetAdmin and Web JetAdmin software - provides easy set up, remote access, remote management and real-time diagnostics in a mixed platform network environment

- 2 EIO Slots for fast data transfer and modular expansion
- enhanced driver support of standard printer features for Novell Netware, Microsoft LAN Manager, Microsoft Windows NT Workstation 3.x/4.x, Windows 95/9x, Windows 3.1x, HP-UX, SunOS, Solaris, SCO UNIX, IBM AIX, Macintosh and IBM LAN Server

## Superb Workhorse Paper Handling Flexibility

The HP Color LaserJet series printers deliver more paper handling options which means greater flexibility, ease of use and improved operating productivity:

- maximum of 3,100 pages sheet input tray (900 pages for HP Color LaserJet 4500)
- automatic overhead transparencies (OHT) and glossy media sensing
- capable of envelope, label and OHT printing
- printing on variable paper types - 60 gsm to 216 gsm media (64 gsm to 135 gsm for HP Color LaserJet 4500)
- Various mailbox output accessories for HP Color LaserJet 8500. More selections to follow later
- prints on different sized papers without user having to physically change the input tray
- paper handling architecture connector - enables third party paper handling accessories
- Duplexer - for fast two-sided printing



## HP Color LaserJet 8500DN

- A massive potential of 2 GB of memory capable of printing colour-intensive files at high speed
- Paper input 1x2000, 2x500, 1x100
- Duplexer
- Network ready

## HP Color LaserJet 8500N

- Paper input 2x500, 1x100
- Network ready

## HP Color LaserJet 8500

- Paper input 2x500, 1x100
- Network capable

## The JetSend Future

HP JetSend lets two devices connect and exchange information transparently without drivers or printservers, ensuring that you are prepared for a more interconnected future. HP JetSend is standard with HP Color LaserJet 4500.

## HP Color LaserJet 4500DN

- Paper input 1x500, 1x250, 1x150
- Duplexer
- Network ready

## HP Color LaserJet 4500N

- Paper input 1x250, 1x150
- Network ready

## HP Color LaserJet 4500

- Paper input 1x250, 1x150
- Network capable

Customise your HP Color LaserJet 8500 and HP Color LaserJet 4500 Series printer with HP accessories

## For HP Color LaserJet 8500

- 2000 sheets input tray, A4 and A3 media size for volume printing
- Duplex unit, A4 and A3 media size capable
- Envelope feeder
- Various Bin-tray output accessories. More selections are available later

## For HP Color LaserJet 4500

- 500 sheets input tray, A4 size
- Duplex unit - A4 media size
- Other accessories will be available later
- EIO disk card (Color LaserJet 8500 only) and upgrade DIMMS memory offer up to 208 MB of memory and expanded storage of forms, fonts and signatures
- New HP Color LaserJet transparency and glossy media allows you to produce colour OHT, to create flyers, brochures or newsletters with professional-looking glossy finish



Picture shows HP Color LaserJet with multi-bin mailbox output accessory. (Not part of the product)

## Ordering Information

C4084A	HP Color LaserJet 4500 base printer		
C4089A	HP Color LaserJet 4500N networkready printer		
C4094A	HP Color LaserJet 4500DN duplex & network ready printer		
C3983A	HP Color LaserJet 8500 base printer		
C3984A	HP Color LaserJet 8500N networkready printer		
C3985A	HP Color LaserJet 8500DN duplex & network ready printer		
<b>Associate accessories for HP Color LaserJets</b>		<b>4500</b>	<b>8500</b>
	Cyan toner cartridge	C4192A	C4150A
	Yellow toner cartridge	C4194A	C4152A
	Magenta toner cartridge	C4193A	C4151A
	Black toner cartridge	C4191A	C4149A
	Drum kit	C4195A	C4153A
	Transfer kit	C4196A	C4154A
	Fuser kit 220V	C4198A	C4156A

2000 sheet feeder	...	DN model only
8-Bin mailbox	...	C4785A
4 MB memory	C4140A	C4140A (pair only)
8 MB memory	C4141A	C4141A (pair only)
16 MB memory	C4142A	C4142A (pair only)
32 MB memory	C4143A	C4143A (pair only)
64 MB memory	C4144A	C4144A (pair only)
2 GB EIO hard disk	...	C2985B (base only)
Transparency A4	C2936A	C2936A
Glossy media A4/500	C4179B	C4179B
Glossy film A4/50	C4180B	C4180B
HP parallel c-cable	C2946A	C2946A
HP JetDirect EIO cards	Refer to HP JetDirect Information	

# HP Color LaserJet 8500