HP Color LaserJet 3800 series printer

3800 • 3800n • 3800dn • 3800dtn

+hp

Easy color printing on the network and impressive print quality—the right combination for business.

ColorSphere HP TONERS

More color means more business

- **Make a lasting impact with brilliant color at speed.** See bright, intense color and realistic images with new HP ColorSphere toner and enhanced HP ImageREt 3600 color technology. At up to 22 pages-per-minute (ppm), this sophisticated printer is ideally suited for work teams that need high-impact color business documents in a flash.
- **Show off your business.** You demand color documents that are as dynamic as your business. New HP ColorSphere toner achieves high gloss results and works in concert with enhanced HP ImageREt 3600. For optimal results, use HP paper with HP's five-layer coating technology.
- **Make it easy on yourself.** HP's world-class engineers have optimized this printer's performance with new HP ColorSphere toner and its precise mix of patented additives to deliver consistent, reliable color print quality without ever sacrificing speed. Just click *Print*, and rest assured, you'll see results that are delivered fast and hassle free.

Effortless color

- **Depend on simple interactions**. Print cartridges are preinstalled in new printers, and one convenient access point in the printer makes cartridge replacement effortless. There are only four print cartridges to manage. The cartridge, HP ColorSphere toner, and imaging drum are integrated into one supply, so you refresh the imaging system and ensure consistent print quality when you replace a cartridge.
- **Do more in less time.** HP's simple, flexible printer management tools offer industry-leading capabilities, such as consolidated supplies reordering via HP SureSupply™,[1] color and device usage reporting, helpful alerts, and easy 1-click access to HP Instant Support. HP Web Jetadmin helps IT professionals manage fleets of peripherals, while HP Easy Printer Care Software[2] provides a simple client software tool for anyone to manage up to 15 HP printers.

Accelerate business performance

- **Need color but can't afford to wait for it?** HP understands. The HP Color LaserJet 3800 series printer delivers fast color and black-and-white pages—at speeds up to 22 ppm. In addition, Instant-on Technology reduces warm-up time, allowing the printer to consume less energy and realize less wear on the engine. The printer calibrates intelligently to balance performance and obtain the best print quality.
- **Always get optimal results.** The sophisticated engine includes intelligent color calibration that works in concert with HP Smart printing technology in HP cartridges to make automatic adjustments that enhance print quality and consistency.[3]
- **Share with multiple users and increase efficiency.** Raise work team and IT productivity: the HP Jetdirect Fast Ethernet embedded print server delivers high-performance, broad compatibility, proven reliability, and ease of use with advanced security features, exceptional device management tools, and award-winning service.[4]
- **Manage color usage.** Color can make your business more professional, effective, and profitable, but it's important to keep printing costs in check. With color access controls, you can monitor color usage, assign color access by user or application.

HP printing and imaging systems help you create powerful, professional communications easily. Printers, supplies, accessories, and services are designed together to work together and are invented to meet or exceed your demanding business needs.

[1] For more information, visit www.hp.com/go/SureSupply.
[2] For more information, visit www.hp.com/go/easyprintercare.
[3] Using genuine HP supplies ensures availability of all HP printing features.
[4] Standard and available features vary according to model. For more information, see "Series at a glance" on page 2.

hp invent

HP Color LaserJet 3800 series printer

1 Intuitive, two-line display with a built-in help function

2 250-sheet top output bin with long paper extension

3 One-door access to the preinstalled, easy-to-replace print cartridges

4 100-sheet multipurpose tray enables automatic and manual feeding for specialty papers

5 250-sheet and 500-sheet input trays for an 850-sheet total input capacity

6 Built-in automatic two-sided printing

7 On/off switch

8 EIO expansion slot for optional networking, storage, and connectivity options

9 USB Hi-Speed port provides simple connections

10 A powerful 533 MHz processor and 288 MB memory, upgradeable to 544 MB

11 HP Jetdirect Fast Ethernet embedded print server for easy network sharing

Series at a glance

HP Color LaserJet 3800 printer (Q5981A)
- 100-sheet multipurpose tray and 250-sheet input tray 2 for a 350-sheet capacity
- 96 MB RAM

HP Color LaserJet 3800n printer (Q5982A)
Base model plus:
- Additional 64 MB RAM for a total 160 MB RAM
- HP Jetdirect Fast Ethernet embedded print server

HP Color LaserJet 3800dn printer (Q5983A)
Base model plus:
- Additional 192 MB RAM for a total of 288 MB RAM
- HP Jetdirect Fast Ethernet embedded print server
- Built-in automatic two-sided printing

HP Color LaserJet 3800dtn printer (Q5984A)
Base model plus:
- Additional 500-sheet input tray 3 for an 850-sheet capacity
- Additional 192 MB RAM for a total of 288 MB RAM
- HP Jetdirect Fast Ethernet embedded print server
- Built-in automatic two-sided printing

Depend on high-impact color and strong performance printing for your work team.

Speedy, sophisticated printer

HP exceeds your printing demands: print documents quickly, at up to 22 ppm, and print the first page in less than 12.5 seconds with Instant-on Technology. An input capacity of up to 850 sheets and automatic two-sided printing mean that you can easily print a lot of pages without having to restock paper trays. Plus, the HP Jetdirect Fast Ethernet embedded print server delivers high-performance networking to increase your workgroup's efficiency.[5]

Superior HP print quality

The HP Color LaserJet 3800 series printer features an enhanced version of HP ImageREt 3600, a suite of innovative technologies HP developed to provide professional, high-quality color documents and images.

The enhanced HP ImageREt 3600 system is designed to deliver reliable print quality regardless of the printing environment and includes a media type sensor, an environmental sensor, and intelligent, automatic calibration. Automatic internal color adjustment provides consistent color over a range of environments.

The HP Color LaserJet 3800 series printer is designed together with the new HP ColorSphere toner and HP papers to provide optimized printing results. New HP ColorSphere toner features gloss levels that are significantly improved over previous HP color toners when printing on glossy paper. The result is brilliant, intense colors and excellent photo quality output for your business documents.

HP color access control solution

HP color access control solution makes color printing more affordable than ever by helping you to control who uses color and when they use it:

- **Assign color access to specific users or workgroups.** Use either your printer's embedded Web server or HP Web Jetadmin's fleet configuration capability to designate who has access to color printing. That way, people who truly need color—such as your sales team and marketing department—can use it.
- **Assign color access by application.** Designate certain applications for printing color and others for printing black-and-white to ensure that users only print color on their most important print jobs, and that other printouts— such as Web pages—are always black-and-white.
- **Shut down color completely or temporarily disable color capability.** Disable color printing on shared printers— locking out all individuals and workgroups—so you can save your color resources for special projects or seasonal needs. HP Web Jetadmin's Print Driver Pre-configuration Plug-in lets IT Administrators set users' print settings to control color printing by print queue.
- **Track color use by job, by user, and by device.** HP Web Jetadmin's Report Generation Plug-in generates real-time and periodic usage reports that make it easy to track color use by job, by user, and by device. Plus, it allows you to easily allocate costs to individual departments.[6]

HP printer management tools

Who says you can't do it all? With a little help, HP knows you can. HP makes printer management and consolidated supplies reordering trouble-free.

- View printer and supplies status, perform simple troubleshooting, and manage printing functions for an individual printer from your computer, rather than the printer control panel, through the print driver **Services** tab (for end users) or through the HP Embedded Web Server (for IT professionals).
- Manage groups of printers from a single access point. For IT professionals, HP Web Jetadmin helps you install, configure, and remotely manage all of your network peripherals through a simple Web interface.
- For end users and office managers, HP Easy Printer Care Software helps you manage up to 15 HP printers from your computer to keep them running at their best. You can also proactively manage supplies and reorder online with the click of a button.

HP Universal Print Driver for Windows

Improve productivity, increase satisfaction, and use valuable resources more effectively with the HP Universal Print Driver for Windows. The HP Universal Print Driver for Windows includes separate HP PCL5 and HP postscript emulation editions of a single driver that gives end-users access to almost any HP printer—without the need to install separate drivers. At the same time, it helps IT manage printer fleets more effectively by providing features such as usage tracking and the ability to easily create, import, and alter HP Managed Printer Lists.

Free as a download, the HP Universal Print Driver for Windows delivers functionality on par with HP's premium drivers—giving users access to features such as two-sided printing, hard disk, input trays, output bins, stapling, and more. Download the HP Universal Print Driver for Windows at www.hp.com/go/universalprintdriver.

Award-winning HP support

HP's expert knowledge will help you make the most of your printer and ensure your equipment is running at peak efficiency. Start with a one-year, next day, on-site, limited hardware warranty, backed by free telephone and Web support from the award-winning HP Customer Care (warranty and availability vary according to region). To further guarantee trouble-free operation, upgrade your printer with extended service and support options.

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[5] Standard and available features vary according to model. For more information, see "Series at a glance" on page 2.
[6] Billing solutions are an optional feature available at an additional cost through HP's solution partners.

HP Color LaserJet 3800 series printer

Technical specifications	HP Color LaserJet 3800 printer (Q5981A)	HP Color LaserJet 3800n printer (Q5982A)	HP Color LaserJet 3800dn printer (Q5983A)	HP Color LaserJet 3800dtn printer (Q5984A)
Print speed[7]	Up to 22 ppm			
First page out	Less than 12.5 seconds			
Image enhancement, resolution	HP ImageREt 3600, 600 by 600 dpi			
Processor	533 MHz (20KC MIPS embedded)			
Memory, standard	96 MB DDR SDRAM	160 MB DDR SDRAM	288 MB DDR SDRAM	
Available memory slots	One available DDR SDRAM slot			
Memory, maximum	544 MB DDR SDRAM			
Recommended monthly volume	1,500 to 5,000 pages per month			
Maximum monthly duty cycle	65,000 pages			
Paper				
Input	100-sheet multipurpose tray, 250-sheet tray 2 for a total of 350 sheets, optional 500-sheet tray 3			100-sheet multipurpose tray, 250-sheet tray 2, 500-sheet tray 3 for a total of 850 sheets
Output	250-sheet top output bin			
Duplex printing	Manual two-sided printing		Built-in automatic two-sided embedded printing	
Sizes	Multipurpose tray: 3 by 5 in (76 by 127 mm) to 8.5 by 14 in (216 by 356 mm); letter, legal, executive, statement; envelopes (No. 10, Monarch); Automatic two-sided printing unit, 250-sheet input tray, optional 500-sheet input tray: 5.8 by 8.3 in (148 by 210 mm) to 8.5 by 14 in (216 by 356 mm); letter, legal, executive			
Weights[8]	Multipurpose tray: 16 to 42 lb bond (60 to 160 g/m²) Automatic two-sided printing unit, 250-sheet and 500-sheet input trays: 16 to 32 lb bond (60 to 120 g/m²)			
Types	Paper (plain, preprinted, letterhead, prepunched, bond, recycled, tough, color, glossy, rough), transparencies, labels, envelopes, cardstock, user-defined			
Connectivity				
Interfaces	Hi-Speed USB 2.0 port, one available EIO slot (for optional network adapters, IEEE 1284-B parallel port, or hard disk), 1 Host-USB accessory slots			
Network connectivity	Optional	HP Jetdirect Fast Ethernet embedded print server, optional Gigabit Ethernet, 802.11b/g Wireless LAN, and other networking accessories		
Languages	HP PCL6, HP PCL5, HP postscript level 3 emulation, direct PDF printing (v 1.4) with at least 128 MB printer memory			
Fonts	80 HP font set (plus Greek, Hebrew, Cyrillic, Arabic)			
Client operating systems	Microsoft® Windows® 98, Me, 2000, XP®, Server 2003; Mac OS 9.1, 9.2, Mac OS X v10.2, v10.3, v10			
Network operating systems[9]	Microsoft Windows 98, Me, 2000, XP, XP 64-Bit, Server 2003; Novell NetWare 3.2, 4.2, 5.x, 6.x (NDPS); Mac OS 9.1, 9.2, Mac OS X v10.2, v10.3, v10.4; Red Hat Linux® 6.x, 7.x; SuSE Linux 6.x; HP UX 10.20, 11.x; Solaris 2.5x, 2.6, 7, 8 (SPARC systems only); IBM AIX 3.2.5 and later; MPE-iX; Citrix MetaFrame; Windows Terminal Services			
Network protocols supported[9]	Via HP Jetdirect print servers: TCP/IP (IP Direct mode; may require software from the NOS vendor or third party vendor: LPD, FTP, IPP), IPX/SPX, DLC/LLC, AppleTalk, Auto-IP, Apple Bonjour compatible, NDS, Bindery, NCP, Telnet, SLP, IGMP, BOOTP/DHCP, WINS, SNMP (v 1, 2c, 3), HTTP			
Dimensions (w by d by h)	15.7 by 17.7 by 15.7 in (400 by 450 by 400 mm)		15.7 by 17.7 by 16.7 in (400 by 450 by 423 mm)	15.7 by 17.7 by 22.2 in (400 by 450 by 563 mm)
Weight (includes print cartridge)	59.6 lb (27.1 kg)		61.6 lb (28 kg)	74.1 lb (33.7 kg)
What's in the box	HP Color LaserJet 3800 printer, 100-sheet multipurpose tray, 250-sheet input tray, power cable, software drivers and documentation on CD, in-box documentation (Getting Started Guide), preinstalled full-capacity 6,000-page black, cyan, magenta, and yellow HP Color LaserJet print cartridges with HP ColorSphere Toner[10], USB 2.0 Hi-Speed cable	HP Color LaserJet 3800n printer, 100-sheet multipurpose tray, 250-sheet input tray, power cable, software drivers and documentation on CD, in-box documentation (Getting Started Guide), preinstalled full-capacity 6,000-page black, cyan, magenta, and yellow HP Color LaserJet print cartridges with HP ColorSphere Toner[10], HP Jetdirect Fast Ethernet embedded print server	HP Color LaserJet 3800dn printer, 100-sheet multipurpose tray, 250-sheet input tray, power cable, software drivers and documentation on CD, in-box documentation (Getting Started Guide), preinstalled full-capacity 6,000-page black, cyan, magenta, and yellow HP Color LaserJet print cartridges with HP ColorSphere Toner[10], HP Jetdirect Fast Ethernet embedded print server, built-in automatic two-sided printing	HP Color LaserJet 3800dtn printer, 100-sheet multipurpose tray, 250-sheet input tray, 500-sheet input tray, power cable, drivers and documentation CD, in-box documentation (Getting Started Guide), preinstalled full-capacity 6,000-page black, cyan, magenta, and yellow HP Color LaserJet print cartridges with HP ColorSphere Toner[10], HP Jetdirect Fast Ethernet embedded print server, built-in automatic two-sided printing

Environmental ranges

Operating temperature	Operating: 50 to 81 degrees F (10 to 27 degrees C)
	Recommended: 63 to 77 degrees F (17 to 25 degrees C)
	Storage: 32 to 95 degrees F (0 to 35 degrees C)
Relative humidity	Operating: 10 to 70 percent
	Recommended: 20 to 60 percent
	Non-operating: 10 to 90 percent
Altitude	0 to 8530 ft (0 to 2600 m)
Acoustics[11]	Power: active: 6.9 B(A); Ready: 5.3 B(A)
	Pressure (bystander): active: 55 dB(A), standby: 39 d(B)A
Required input voltage	110 to 127 V (±10 percent), 50/60 Hz (±2 Hz)
	220 to 240 V (±10 percent), 50/60 Hz (±2 Hz)
Power consumption[11]	
Active	435 watts
Ready	48 watts
Sleep	15 watts
Off	0.5 watts
ENERGY STAR® qualified models; see:	http://www.hp.com/go/energystar
Power certifications	EMC: CISPR 22:1993/EN 55022:1994 Class B, EN 61000-3-2:2000, EN 61000-3-3:1995, EN 55024:1998, FCC Title 47 CFR, Part 15 Class B (USA), ICES-003, Issue 4, (Canada), other EMC approvals as required by individual countries. Safety: IEC 60950-1 (International), IEC 60825-1, UL/cUL Listed (US/Canada), EN 60825-1 Class 1, 21 CFR Ch. 1/SubCh. J (Class 1 Laser/LED Device), GB4943-2001. Other safety approvals as required by individual countries.
Warranty	One-year, next day, on-site limited hardware warranty with phone and e-mail support
HP SureSupply enabled	To learn more, please visit www.hp.com/go/SureSupply

[7] Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[8] For optimum results, HP recommends the use of HP media designed for HP Color LaserJet printers between the weights of 75 g/m² to 120 g/m². For lighter weight or heavier weight paper (60 g/m² to 74 g/m² and 121 to 220 g/m²), paper jam rate and optimal print quality performance may be impacted. Use the correct driver and tray settings for best results. Test all paper before purchasing large volumes.
[9] Not all protocol and operating system combinations are supported. For more information, go to: www.hp.com/support/net_printing.
[10] All print cartridge page yields are based on five percent page coverage.
[11] Values subject to change. See www.hp.com/support/clj3800 for current information. Power reported is the highest value measured using all standard voltages.

Ordering information

Product	Number
HP Color LaserJet 3800 printer	Q5981A
HP Color LaserJet 3800n printer	Q5982A
HP Color LaserJet 3800dn printer	Q5983A
HP Color LaserJet 3800dtn printer	Q5984A
Accessories	
500-sheet paper input feeder and tray	Q5985A
HP Jetdirect 620n Fast Ethernet internal print server	J7934G
HP Jetdirect 630n EIO Print Server	J7997G
HP Jetdirect 635n IPv6/IPsec and Gigabit Ethernet internal print server	J7961G
HP Jetdirect en1700 USB 2.0 Print Server	J7988G
HP Jetdirect 175x Fast Ethernet external print server (USB)	J6035G
HP Jetdirect en3700 Fast Ethernet external print server (USB Hi Speed)	J7942G
HP Jetdirect ew2400 802.11g Wireless and Fast Ethernet external print server (USB Hi Speed)	J7951G
HP 1284B Parallel EIO card	J7972G
HP Color LaserJet Print Cartridges with HP ColorSphere Toner[10]	
Black Print Cartridge (6,000 pages)	Q6470A
Cyan Print Cartridge (6,000 pages)	Q7581A
Yellow Print Cartridge (6,000 pages)	Q7582A
Magenta Print Cartridge (6,000 pages)	Q7583A
Memory and storage	
HP high-performance EIO hard disk	J6073G
128 MB DDR SDRAM	Q7721A
256 MB DDR SDRAM	Q7722A
512 MB DDR SDRAM	Q7723A
Cables	
USB printer cable (2-meter [6.5-foot] standard)	C6518A
Service and support	
On-site installation and network configuration	H3110E
3-year, next day on-site	U8037E
3-year, 9x5 same day on-site	U8054E
3-year, 13x5 same day onsite	U8038E
Paper	
North America: www.hp.com/go/everydaypapers; USA: 1-800-477-5010	
Printer software	
HP Web Jetadmin: www.hp.com/go/webjetadmin	
HP Easy Printer Care Software: www.hp.com/go/easyprintercare	
HP Universal Print Driver for Windows: www.hp.com/go/universalprintdriver	
HP Install Network Printer Wizard: www.hp.com/go/inpw_sw	
Third-party solutions	
www.hp.com/go/gsc	

For more information visit our website at www.hp.com/go/color
4AA0-1440ENUC, 03/2007, Rev. 6