



hp color LaserJet 4600 series

hp color LaserJet 4600/n/dn/dtn/hdn printer

The HP Color LaserJet 4600 series is a simple, reliable, affordable way to add high-quality, high-speed colour laser printing to your business.

The HP Color LaserJet 4600 series meets the needs of general office users in workgroups of up to 15 users, who want fast colour and black & white printing for their internal communications as well as customer facing documents. It is also suitable for business creatives wanting to enhance their communications and sell their ideas, products and services.

Print high quality, professional colour documents with no compromise on speed.

- Print colour and black & white pages at up to 16 ppm, with the high performance vertical in-line laser engine, a top of the range 400 MHz processor and 96 MB RAM (160 MB on dtn and hdn).
- Achieve fast 18 second first page out from "Ready" and "Powersave" mode due to inductive heat fuser technology also reducing power consumption.
- Enjoy excellent print quality with ImageREt 2400, new formulas of second generation, chemically grown toner and direct to paper printing for professional documents.

Designed to be easy to use, manage and maintain, and deliver worry-free colour laser printing.

- Graphical control panel provides toner level gauges at-a-glance and displays text and animated graphics for quick and easy troubleshooting.
- One point of access at the front and clear labelling make consumables installation very simple.
- HP Web Jetadmin and an embedded web server ensure easy management with other HP LaserJet printers and makes remote management simple and convenient.
- Implement new printing e-services to run downloadable Java based programs using the embedded virtual machine.

A versatile colour laser printer which expands to meet your business needs.

- Share high-speed colour laser printing across a network with HP Jetdirect EIO internal print servers.
- Multiple paper trays add media flexibility and a built-in duplex unit (dn, dtn and hdn) allows you to save paper and money.
- HP EIO 10 GB hard disk (hdn) enables printing of multiple original copies, stored jobs and secure printing.
- Convenient handling and a cost per page for black only printing equivalent to HP monochrome LaserJets make these printers inexpensive to own and operate.



hp color LaserJet 4600/n/dn



hp color LaserJet 4600dtn/hdn

hp color LaserJet 4600 series



technical specifications

print speed	document type Black A4 Colour A4 Exact speed varies depending on the system configuration, software program, and document complexity.	plain paper up to 16 ppm up to 16 ppm	transparency up to 6 ppm up to 3 ppm
processor	400 MHz RISC		
first page out	From "Ready": 17.5 secs; From "Powersave" (< 8h): 18.5 secs, (>8h): 92.5 secs.		
memory	Standard: HP Color LaserJet 4600/n/dn: 96 MB, HP Color LaserJet 4600dn/hdn: 160 MB. Maximum: 416 MB, using Memory Enhancement technology (MEI). Memory Slots: 5 DIMM slots: 4 x 168-pin DIMM slots, 1 x 100-pin DIMM slot, only 4 DIMM slots usable concurrently, 10 GB HP EIO hard disk (standard with the HP Color LaserJet 4600hdn).		
print technology	In-line colour laser printing technology, direct-to-page printing.		
print resolution	600 x 600 dpi with ImageREt 2400, Supports colour management systems based on ICC profiles; Apple ColorSync, Microsoft ICM, Adobe, Corel, Quark, and others. PANTONE® CALIBRATED™ for Pantone PMS support. Supports SWOT, Euroscale and DIC press emulations.		
languages	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation.		
typefaces/fonts	80 TrueType internal scalable in PCL, 80 TrueType internal scalable in Postscript; Euro symbol built-in (€).		
print margins A4	Top: 5.0 mm, left: 5.0 mm, right: 5.0 mm, bottom: 5.0 mm.		
duty cycle	Up to 85,000 pages per month.		
media sizes	Standard: Tray 2/3: A4, Letter, Legal, Executive, B5 (JIS), A5; Automatic duplex unit (HP Color LaserJet 4600dn/dtn/hdn only): A4, Letter, Legal, Executive, B5 (JIS). Custom: Tray 1: Minimum size: 76 x 127 mm, Maximum size: 216 x 356 mm.		
media types	Paper (plain, recycled, glossy), glossy film, envelopes, transparencies, labels, cardstock.		
max. media weight range	Tray 1: 60 g/m ² to 163 g/m ² ; Tray 2/3: 60 g/m ² to 105 g/m ² ; Automatic duplex unit (HP Color LaserJet 4600dn/dtn/hdn only): 75 g/m ² to 105 g/m ² .		
media handling/input	HP Color LaserJet 4600/n/dn: standard 600 sheets, up to 1100 sheets. HP Color LaserJet 4600dn/hdn: standard 1100 sheets.		
paper input trays	HP Color LaserJet 4600/n/dn: standard: 2; optional: 3. HP Color LaserJet 4600dn/hdn: 3.		
envelope feeder	Tray 1: 20 envelopes (maximum weight: 105 g/m ²).		
media handling/output	250 sheets		
duplex printing	Automatic (standard with the HP Color LaserJet 4600dn/dtn/hdn, HP Color LaserJet 4600/n not upgradeable).		
interface and connectivity	Standard: IEEE 1284-compliant bidirectional parallel port (C-type connector); HP Jetdirect 615n Fast Ethernet (10/100Base-TX) internal print server (HP Color LaserJet 4600n/dn/dtn/hdn); Open EIO slot(s): HP Color LaserJet 4600: 3 slots, HP Color LaserJet 4600n/dn/dtn: 2 slots, HP Color LaserJet 4600hdn: 1 slot. Optional: HP Jetdirect print servers, Fast Infrared (FIR) enabled via FIR pod.		
operating systems compatibility	Drivers included: Microsoft® Windows (95, 98, Me, NT 4.0, 2000, XP), Mac OS (8.6 and higher). Driver download: Microsoft Windows 3.1x (HP Color LaserJet 4550 driver), OS/2, Unix, Linux; basic printing support for DOS. Current drivers and software are available from the internet.		
network operating systems compatibility	Supported: Microsoft Windows 95, 98, Me, NT 4.0, 2000, XP, Novell NetWare 3.2, 4.2, 5.x, 6, Apple Mac OS 8.6 and higher, 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, Artisoft LANtastic. Compatible network protocols*: TCP/IP, IPX/SPX, AppleTalk (not supported on Token Ring print servers), DLC/LLC, IP Direct Mode, LPD, FTP Printing, IPP, NDS, Bindery, NCP, NDPS, iPrint, Telnet, SLP, IGMP, BOOTP/DHCP, WINS, SNMP, HTTP. Advanced security with: SNMP v3, SSL/TLS (HTTPS).		
minimum system requirements	Microsoft Windows 95 and higher: Dependant on Microsoft Windows version 16 to 64 of free RAM space and 180 MB free hard disk space, CD-ROM drive or Internet connection, dedicated IEEE-1284 compliant bi-directional parallel port. Mac OS 8.6 and higher: 4 MB of free RAM space and 160 MB free hard disk space, CD-ROM drive or Internet connection, AppleTalk or USB connectivity solution.		
control panel	LCD backlit panel display with up to 4 lines of text and animated printer graphics, 3 LED status lights.		
power requirements	Input voltage 220 to 240 V (+/-10%), 50/60 Hz (+/- 2 Hz); Input voltage 100 to 127 V (+/-10%), 50/60 Hz (+/- 2 Hz).		
power consumption	220 V model: 0 watts maximum (off), 34 watts maximum (Powersave), 37 watts maximum (standby/ready), 415 watts maximum (printing); 110 V model: 0 watts maximum (off), 32 watts maximum (Powersave), 33 watts maximum (standby/ready), 437 watts maximum (printing).		
dimensions (w x d x h)	Out of package: HP Color LaserJet 4600/n/dn: 480 x 548 x 578 mm. HP Color LaserJet 4600dn/hdn: 480 x 548 x 666 mm.		
product weight	Out of package (with supplies): HP Color LaserJet 4600: 40.2 kg. HP Color LaserJet 4600n/dn: 40.5 kg. HP Color LaserJet 4600dn: 47.7 kg. HP Color LaserJet 4600hdn: 48 kg.		
printer management	HP Web Jetadmin, HP embedded web server, HP Printer Status and Alerts.		
operating environment	Environmental ranges: Operating temperature: 10 to 30° C. Operating humidity: 10 to 80% RH. Operating humidity recommended: 30 to 70% RH. Recommended operating temperature: 17 to 25° C. Operating up to: 0 to 2,600 m. Storage temperature: 0 to 35° C. Storage humidity: 10% to 85% RH. Noise level per ISO 9296: sound power: LWAd = 6.5 B(A) printing, LWAd = 5.0 B(A) Powersave; sound pressure: LpAm = 51 dB(A) printing, LpAm = 34 dB(A) Powersave.		
ENERGY STAR certifications	Yes		
warranty	Carries CE markings for EU EMC and low voltage directives; CISPR 22/EN 55022 Class B; EN55024; EN61000-3-2; EN61000-3-3 FCC Title 47 CFR; Part 15 Class B /ICES-003, Issue 3; AS /NZS; EPA ENERGY STAR compliant; TUV-GS approved (220-240V); UL/cUL listed (100-127V); complies with IEC 60950/EN 60950; IEC 60825-1/EN 60825-1 (Class 1 Laser/LED Product); FCC Class B and CISPR-22 Class B; CDRH certified Class 1 laser product (safe for office/EDP use); Finland Class 1 laser apparatus requirements; complies with TBR21, EG 201, R&TTE Directive 1999/5/EC (Annex II) and carries CE-marking accordingly.		
warranty	1-year next business day on-site warranty.		

*Note: Not all protocol and operating system combinations are supported. For more information, refer to <http://www.hp.com/go/jetdirect>.

<http://www.hp.com>

For more information, please call your local HP sales office or representative: **Austria:** 0810/006080 (local rate call), **Algeria:** (0)61 56 45 43, **Bahrain:** 800 728, **Belgium:** (02) 778 34 00, **Luxembourg:** (+352) 263 160 34, **Bulgaria:** (+359) 2960 1940, **Croatia and Slovenia:** (+385 1) 60 60 200, **Czech Republic:** (00 420 2) 613 07 111 (Prague), **Denmark:** 45991700 or 70101125, **Egypt:** 532 5222, **Estonia:** (+372) 6505 263, **Finland:** (09) 88721, **France:** (1) 69 82 6060, **Germany:** 0180 532 6222 (12 Cent/min), **Greece:** (01) 678 96 00, **Hungary:** (+36) 1 382-1111, **Iceland:** (354) 570 1000, **Ireland:** + 353 1 6158200, **Israel:** (972) 9 8304848, **Italy:** (02) 92121, **Kazakhstan:** +7 (3272) 980 824, **Latvia:** (371) 800 80 12, **Lithuania:** (370) 2 787 333, **Middle East:** 00971 4 883 4427, **Morocco (African Region):** +212 22 40 47 47, **Netherlands:** (020) 5476666, **Norway:** 22 735600, **Poland:** infolinia 0-801 607 607 (0,29 zł + VAT/min), **Portugal:** (808) 206 001, **Romania:** (+401) 205 3300, **RSA:** (27)11 785 1000, **Russia:** +7 (095) 797 35 00, **Saudi Arabia:** 800 124 4646, **Slovakia:** +421-2-50205611, **Spain:** (91) 6311600, **Sweden:** (08) 444 2000, **Switzerland:** 0848 88 44 66, **Tunisia:** 71 891 222, **Turkey:** +90 (216) 579 71 71, **UAE:** 8004910, **UK:** 08705 474747, **Ukraine:** +380 44 490 61 20, **Yugoslavia:** +381 11 322 80 14.

ordering information

c9660a	hp color LaserJet 4600 printer
c9692a	hp color LaserJet 4600n printer
c9661a	hp color LaserJet 4600dn printer
c9662a	hp color LaserJet 4600dtn printer
c9663a	hp color LaserJet 4600hdn printer

accessories

c9664a	500-sheet tray and feeder unit
c9667a	printer stand
c7848a	hp 168 pin SDRAM DIMM 64 MB memory module
c7850a	hp 168 pin SDRAM DIMM 128 MB memory module
c9653a	hp 168 pin SDRAM DIMM 256 MB memory module
c4287a	4 MB flash DIMM
j6054b	hp EIO hard disk, 10 GB
c4103a	hp Fast Infrared (FIR) pod

hp jetdirect internal print servers

j3110a	hp jetdirect 600n Ethernet (10Base-T) internal print server
j3111a	hp jetdirect 600n Ethernet (10Base-T, 10Base2)/LocalTalk internal print server
j4167a	hp jetdirect 610n Token Ring internal print server
j6057a	hp jetdirect 615n Fast Ethernet (10/100Base-TX) internal print server
j6058a	hp jetdirect 680n 802.11b wireless internal print server
j4135a	hp JetDirect connectivity card for USB, serial and LocalTalk

cables

c2946a	hp IEEE 1284-compliant bidirectional parallel cable (C-type connector), 3 m
92215n	hp LocalTalk cable kit, 2 m
92215s	hp serial printer cable, 2 m

supplies

c9720a	hp color LaserJet smart print cartridge, black (up to 9,000 pages*)
c9721a	hp color LaserJet smart print cartridge, cyan (up to 8,000 pages*)
c9722a	hp color LaserJet smart print cartridge, yellow (up to 8,000 pages*)
c9723a	hp color LaserJet smart print cartridge, magenta (up to 8,000 pages*)

maintenance kits

c9724a	image transfer kit (up to 120,000 pages)
c9725a	image fuser kit (110 V) (up to 150,000 pages)
c9726a	image fuser kit (220 V) (up to 150,000 pages)

service & support

h3113a	hp supportpack - next business day, on-site response, 3 years
h3118a	hp supportpack - on-site response within 4 hours of call, 3 years
h2872a	installation & configuration for 1 network printer
h4442a	installation & configuration for 2 to 5 network printers

* based on 5% coverage

The information contained in this document is subject to change without notice. ENERGY STAR is a U.S. registered mark of the United States Environmental Protection Agency. All other products mentioned herein may be trademarks of their respective companies. Microsoft, Windows and MS Windows are U.S. registered trademarks of Microsoft Corporation.

© Copyright Hewlett-Packard 2002
Printed in the EU 06/02
5980-9818EE