



intuitive



reliable

data sheet



## hp color LaserJet 4600 series printers

4600 • 4600n • 4600dn • 4600dtn • 4600hdn

The HP Color LaserJet 4600 series printers with HP smart printing supplies are a reliable and affordable way to get high-quality color laser printing at the same speed as black and white. The efficient, simple design offers easy networking, management, and maintenance features so the entire workgroup can benefit from in-house color printing that gets results.

### performance

- print color as fast as black and white—documents print at speeds up to 17 pages per minute with the first page out in 17.5 seconds or less from “Ready” state
- fast file processing—400 MHz RISC processor, up to 416 MB RAM, and firmware optimization quickly process large files and print them at actual engine speed
- single solution for the entire office—robust networking from best-in-class hp jetdirect EIO 10/100Base-T networking card (optional for 4600 base model)
- hp print cartridge technology and direct color laser printing produce vivid, cost-effective color printing—dramatically reduced calibration times, accurate and consistent color print quality, wide color gamut, great color appearance including realistic skin tones, and crisp black text that rivals monochrome printers

### easy-to-use

- intuitive operation—the graphical control panel simultaneously displays text and animated graphics making troubleshooting and configuration quick and easy
- vertical inline architecture is easy to maintain—printer design delivers color in a single pass plus convenient front access to the printer and clear labeling that make installing print cartridges and clearing paper jams simple tasks for any user
- simple to configure and manage on your network—hp web jetadmin guarantees easy installation, configuration, and management of multiple hp LaserJet printers across a network

### affordable

- cost effective—economical acquisition costs and soft costs, including high productivity rates, increased uptime with less frequent cleaning and calibration cycles, easy management, simple support, and reliable performance
- low user intervention—simple paper path and fewer supplies mean printer intervention is infrequent and easy to perform, saving users’ and managers’ valuable time and contributing to low total cost of ownership
- smart printing supplies system—cartridge enhancements that provide optimum output and reliability plus more accurate supplies monitoring, remote diagnostics, and convenient Internet enabled supplies ordering (certain smart features may be available only with genuine hp supplies)
- flexible media options add to productivity and cost savings—save media and document storage space with automatic two-sided printing and get greater media flexibility and less user intervention with up to three paper trays and 1,100-sheet capacity

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

# hp color LaserJet 4600 series printers

(hp color LaserJet 4600hdn shown)

simple operation using graphical control panel with up to six lines of text

automatic duplexing for fast, efficient two-sided printing

hp smart printing supplies for efficient supplies management

hp embedded web server for easy printer management

simple paper path design reduces paper jams

400 MHz processor and up to 160 MB RAM standard for fast file processing (expandable to 416 MB)

best-in-class hp jetdirect 615n Fast Ethernet internal print server

up to three EIO slots add connectivity and sharing options



every model includes a 500-sheet input paper tray allowing media flexibility

second 500-sheet paper tray for maximum input capacity of 1,100 sheets (standard on CLJ4600dtn/hdn)

100-sheet multipurpose input paper tray

## advanced color print cartridge technology

improved chemical toner formula

- ensures uniform distribution of color and reliable fusing
- wider range of colors (gamut) and richer appearance
- crisp black text and sharp edges
- consistent print quality over the life of the cartridge

hp smart printing supplies features

- status-at-a-glance and convenient supplies alerts
- ability to quickly order via the Internet when supplies are low
- smart technology monitors and adjusts print cartridge characteristics to ensure consistent print quality throughout cartridge life

easy to install

- essentially only four supplies to replace
- ready access to print cartridges
- easy installation and removal of print cartridges

## accessories

configure the printer to your business needs

### additional memory

even the largest and most complex files will print fast

### cabinet/stand

frees up desk space, provides convenient supplies storage, and allows printer mobility

### second 500-sheet paper tray

for larger print jobs, more media flexibility, and less user intervention

### hard disk drive

enables job management features, including multiple original printing, secure printing, proof and print, stored jobs, and stored forms capabilities

### hp jetdirect internal and wireless print servers

for reliable and secure connectivity in your wired or 802.11b wireless network

## consumables

new toner formulation, cartridge architecture, and smart printing features are integral to the printer design—creating a highly advanced system and crisp, clear output

### four all-in-one print cartridges

- only four consumables enable low user intervention and add to low total cost of ownership
- new hp smart printing supplies are front-loading and easy to install, reducing the amount of time spent managing the printer



## hp redefines office printing

The in-line design of the HP Color LaserJet 4600 series printers give you color printing as fast as black and white with exceptional output quality.

- **breakthrough performance**

The HP in-line technology combined with processor and memory upgrades provide a huge leap in price performance.

- **ease of use**

An intuitive control panel, a simple paper path, and easy-to-load supplies with smart chips inside make everyday use and maintenance simple.

- **quality color printing**

HP developed technologies combined with HP smart printing supplies provide outstanding print quality.

### exceptional color output quality

The HP Color LaserJet 4600 series printers provide the high quality output you have come to expect from HP along with the performance you need. HP has designed the HP Color LaserJet 4600 so that whether you are sending RGB or CMYK files, the printer is automated and configured to supply the best possible rendering. The printer and HP smart printing supplies system automatically provide the following:

- dynamic electrophotographic (EP) adjustment through smart technology in the color print cartridge that ensures even, consistent color over a range of environments
- color plane registration performed automatically inside the printer, ensuring clear color images
- color management so conversions from standard RGB (sRGB) or CMYK to the device colors is always smooth, fast, and optimal
- color trapping technology advancements that eliminate color misregistration and prevent the white part of the paper from showing through the color text and graphics
- adaptive halftoning and smart edge control that automatically create smooth color and crisp edges
- PANTONE®—hp supplies multiple solutions that will yield easy-to-use process colors and accurate color matching
- chemically grown spherical toner with fuser release agent in each toner particle that ensures uniform distribution of color and reliable fusing

### powerful color printing

Bring fast, reliable color to all your business documents. Whether printing brochures, spreadsheets, newsletters, or business presentations, with the HP Color LaserJet 4600 series printers you are guaranteed high quality documents while meeting all your time-critical deadlines. Plus, they are affordable and fast enough that all of your business communications can be enhanced with color. Through best-in-class HP Jetdirect print servers, entire workgroups benefit from these communications enhancements. The HP Color LaserJet 4600 also fits seamlessly into wireless environments through HP's secure and reliable wireless print servers that allow you to place peripherals anywhere in the office while avoiding the costly and time-consuming physical constraints of wires.

### smart operation made easy

You can add the benefits of color without worrying about printer downtime and time-consuming end user intervention. The HP Color LaserJet 4600 series printers are designed to operate both efficiently and intuitively. The control panel displays text and animated graphics simultaneously with an intuitive user interface. A front panel on the printer provides convenient access for replacing supplies. The inline printing technology uses a "direct to page" process—transferring toner directly to your media and ensuring exceptional print quality. You can virtually eliminate printer downtime when you use genuine HP smart printing supplies that enable status monitoring, proactive alert messages, Internet enabled supplies ordering, and convenient remote troubleshooting.

### service and support from hp

HP offers a variety of support options to assist you in the setup and maintenance of the HP Color LaserJet 4600 series printers. Use HP's expert knowledge to make the most of your printer and to ensure your equipment is running at peak efficiency. Start with the included one-year, next-day, onsite warranty with phone support backed by award-winning HP Customer Care. To further ensure trouble-free operation and to maximize the capabilities of your HP Color LaserJet 4600 printer, you can upgrade your service and support options to include extended printer maintenance and network installation.

## hp color LaserJet 4600 series printers at a glance

### hp color LaserJet 4600

- 96 MB RAM
- 400 MHz processor
- 100-sheet multipurpose tray
- 500-sheet feeder tray

includes three open EIO slots

### hp color LaserJet 4600n base unit plus:

- hp jetdirect 615n Fast Ethernet (10/100Base-TX) internal print server

includes two open EIO slots

### hp color LaserJet 4600dn base unit plus:

- hp jetdirect 615n Fast Ethernet (10/100Base-TX) internal print server
- auto-duplexing

includes two open EIO slots

### hp color LaserJet 4600dtn base unit plus:

- additional 64 MB RAM for 160 MB total
- second 500-sheet feeder tray (for 1,100-sheet input capacity)
- hp jetdirect 615n Fast Ethernet (10/100Base-TX) internal print server
- auto-duplexing

includes two open EIO slots

### hp color LaserJet 4600hdn base unit plus:

- hard disk drive
- additional 64 MB RAM for 160 MB total
- second 500-sheet feeder tray (for 1,100-sheet input capacity)
- hp jetdirect 615n Fast Ethernet (10/100Base-TX) internal print server
- auto-duplexing

includes one open EIO slot

technical specifications hp color LaserJet 4600 series	hp color LaserJet 4600 C9660A	hp color LaserJet 4600n C9692A	hp color LaserJet 4600dn C9661A	hp color LaserJet 4600dtn C9662A	hp color LaserJet 4600hdn C9663A
print speed*	17 pages per minute letter * exact speed varies depending on the system configuration, software application, driver, and document complexity				
first page out	17.5 sec Ready state, 18.4 PowerSave, 2 min cold start				
processor	400 MHz				
memory	96 MB standard, expandable to 416 MB			160 MB standard, expandable to 416 MB	
duty cycle, monthly	85,000 pages per month				
media handling paper trays, std	100-sheet multipurpose and 500-sheet feeder input paper trays		100-sheet multipurpose and 500-sheet feeder input paper trays auto-duplexing	100-sheet multipurpose and two 500-sheet feeder input paper trays auto-duplexing	100-sheet multipurpose and two 500-sheet feeder input paper trays auto-duplexing, hard disk
input capacity, max	600 sheets			1,100 sheets	
output capacity, std	250 sheets				
media sizes	letter, legal, executive, no. 10 envelopes tray one: 3 by 5 to 8.5 by 14 in (76 by 127 to 216 by 356 mm), 16 to 43 lb (60 to 163 g/m <sup>2</sup> ) trays two and three: 5.83 by 8.27 to 8.5 by 14 in (182 by 210 to 216 by 356 mm), 16 to 28 lb (60 to 105 g/m <sup>2</sup> )				
types	paper (plain, glossy, recycled), envelopes, transparencies, labels, and card stock				
print technology	600 by 600 dpi, hp ImageREt 2400				
connectivity, std	IEEE1284-compliant bidirectional parallel port, Fast Infrared (FIR) port, 3 open EIO slots	IEEE1284-compliant bidirectional parallel port, Fast Infrared (FIR) port, 2 open EIO slots (standard), hp jetdirect 615n (EIO) internal print server in one EIO slot			IEEE1284-compliant bidirectional parallel port, Fast Infrared (FIR) port, 1 open EIO slot (standard), hp jetdirect 615n (EIO) internal print server in one EIO slot, 10 GB hard disk drive in one EIO slot
print languages	HP PCL 6, HP PCL 5e, PostScript® 3 emulation				
dimensions (w by d by h)	18.9 by 20 by 22.3 in (480 by 508 by 566 mm)			18.9 by 20 by 27.3 in (480 by 508 by 693 mm)	
weight	81 lb (37 kg)			97 lb (44 kg)	105 lb (47.7 kg)

## ordering information

number	description
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

### service and support

H3118A/E	HP Supportpack, 3-year, same-day, onsite
H3113A/E	HP Supportpack, 3-year, next-day, onsite

### accessories and maintenance kits

J6054B	HP EIO hard disk (10 GB)
C9664A	500-sheet feeder w/tray
C9667A	Printer stand
C4103A	Fast Infrared (FIR) port
C9724A	Image transfer kit
C9725A	Image fuser kit (110 volt)
C9726A	Image fuser kit (220 volt)

### supplies

print cartridges	
C9720A	HP Color LaserJet print cartridge, black
C9721A	HP Color LaserJet print cartridge, cyan
C9722A	HP Color LaserJet print cartridge, yellow
C9723A	HP Color LaserJet print cartridge, magenta

### media

HPJ1124	HP LaserJet paper, 500 sheets, letter
HPL245R	HP Color Laser paper, 500 sheets, letter
HPM1120	HP Multipurpose paper, 500 sheets, letter
C2934A	HP Color LaserJet transparencies, 50 sheets, letter
C4179A	HP Soft Gloss Laser paper, 200 sheets, letter
Q2419A	HP High Gloss Laser paper, 200 sheets, letter
Q2413A	HP Premium Cover paper, 100 sheets, letter
Q1298A	HP LaserJet Tough paper, 50 sheets, letter
HPU1132	HP Premium Choice LaserJet paper, 500 sheets, letter

### memory

C4287A	4 MB Flash DIMM
C7848A	64 MB SDRAM DIMM
C7850A	128 MB SDRAM DIMM

### interface and cables

C2946A	Parallel cable, 2-meter IEEE 1284-C cable
92215S	Macintosh DIN-8 printer cable
92215N	HP LocalTalk cable kit

### network

J6057A	HP Jetdirect 615n Fast Ethernet (10/100Base-TX) internal print server
J6058A	HP Jetdirect 680n 802.11b wireless internal print server
J4167A	HP Jetdirect 610n Token Ring internal print server
J3111A	HP Jetdirect 600n Ethernet (10Base-T, 10Base2) & LocalTalk internal print server
J3110A	HP Jetdirect 600n Ethernet (10Base-T) internal print server
J4135A	HP Jetdirect Connectivity Card for USB, Serial, and LocalTalk connections

### operating systems supported

Microsoft® Windows® 98, ME, NT® 4.0, 2000, XP; Mac 9 and higher, Mac OS X

### network compatibility

Microsoft Windows NT 4.0, 2000, XP 32-bit, XP 64-bit

### font capabilities

80 built-in scalable PCL, 80 internal PostScript

### environmental ranges

Operating temperature: 63 to 77° F (17 to 25° C)  
Supplies storage temperature: 4 to 104° F (-20 to 40° C)  
Operating humidity: 30 to 70% RH (10 to 80% RH allowed)  
Supplies storage humidity: 35 to 85% RH for 2.5 years maximum

### acoustics

Printing operating position: 6.5 dB (A)  
(A) Printing bystander position: 51 dB (A)  
Sound power: 65 dB (A)

### power requirements

Source: input voltage 100 to 127 VAC (+6%/-10%); 220 to 240 VAC (+6%/-10%)  
Frequency: 50/60 Hz (+/-2)

### power consumption

Printing: 426 watts (110 volts); 430 watts (220 volts) maximum  
Standby (Ready state): 34 watts (110 volts); 36 watts (220 volts) maximum  
ENERGY STAR® compliant  
PowerSave mode: 30 watts (110 volts); 32 watts (220 volts) maximum  
Off mode: 0 watts (110 volts); 0 watts (220 volts)

### warranty

One-year limited hardware warranty, phone and Web support

### what's in the box

HP Color LaserJet 4600 printer, four print cartridges, CD with software and electronic user's guide, printed getting started guide, power cord

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