

HP Color LaserJet 4500 Series Printers

How workgroup color laser printing is done.

HP Color LaserJet 4500 Series printers deliver exceptional color print quality right out of the box, in addition to offering the same overall reliability that you've come to expect from your HP monochrome printers.

These printers are ideal for all your workgroup color laser printing needs from creating sales-winning marketing presentations to producing polished, easy-to-read financial statements to printing in-house training materials. Whatever your color printing needs may be, HP Color LaserJet 4500 Series printers can handle them, without requiring a lot of support or maintenance. They quickly and economically print up to 8.5- by 14-inch color output on both sides of the page with the automatic duplex unit, and can print on a wide variety of media such as glossy paper, transparencies, labels and envelopes.

What's more, they are the only color printers that are HP JetSend-enabled, meaning they can receive compressed electronic documents directly from devices such as the HP 9100C Digital Sender and print them in full, robust color, allowing new document creation.

HP Color LaserJet 4500 Series printers join HP Color LaserJet 8500 Series printers in providing you with a family of choices for all your color printing needs. All offer a superior network printing solution that includes industry-leading HP Web JetAdmin printer management software and HP JetDirect 600N (EIO) Internal Print Servers. And they come with benefits you simply can't get anywhere else, like award-winning service and support with HP Customer Care, and HP's unparalleled reputation for quality, reliability and compatibility.

Network color laser printers for workgroups.

Great-looking professional color documents, faster.

- 4-pages-per-minute (ppm) for full color
- 16-ppm for black and white
- 600-dpi engine with HP Image Resolution Enhancement technology (HP ImageREt 2400)
- HP ColorSmart II automatically provides optimal color settings
- Industry standard sRGB color management
- Automatic color calibration ensures consistent, high-quality color over the life of the printer, in varying environmental conditions and between printers

Easy connectivity and manageability.

- HP Web JetAdmin network printer management software makes it easy to install, configure, manage and troubleshoot network printers right from your desktop
- HP JetDirect 600N (EIO) Internal Print Servers provide a simple, reliable connection to all major network operating systems and network types
- New expanded Control Panel messages identify potential issues and recommend solutions
- Toner cartridges install quickly with no mess and no mistakes

Leading cost of ownership.

- Low cost per page
- Competitive purchase price
- HP Web JetAdmin saves network administrator time while increasing end-user productivity
- Lower overall maintenance costs
- Low energy consumption
- Backed by HP Customer Care

HP Color LaserJet 4500 Series Printers

Hassle-free network color printing for all your business needs.



HP Color LaserJet 4500 DN

The HP Color LaserJet 4500 DN printer features two EIO interface slots, an ECP parallel C-connector, HP JetDirect 600N (EIO) Internal Print Servers, an auto-duplex unit and a 500-sheet feeder.



HP Color LaserJet 4500 Series Printers Accessories



Optional printer cabinet with storage shelf provides floor standing capability and additional storage area for supplies.



Optional 500-sheet feeder allows more media capacity and flexibility.



Four high-capacity toner cartridges provide optimum output and are easily replaced with no mess.



Preconfigured kits (HP Drum Kit, Transfer Kit and Fuser Kit) contain all the necessary components you need to maintain premium-quality output over the life of the printer.

HP Color LaserJet 4500 Series printers give you fast, hassle-free, 2400-dpi-class color laser print quality.

High-output consumables and fewer parts to replace mean less printer interaction is required.

HP JetDirect 600N (EIO) Internal Print Servers connect printers to the network anywhere in your office.

HP Web JetAdmin provides easy installation, configuration and printer management from a common web browser.

Prints on everything from #10 regular envelopes up to 8.5- by 14-inch paper.

Large standard input capacity (150- and 250-sheet trays) reduces paper restocking and allows trays dedicated to a media type.

Optional auto-duplex unit* provides two-sided color printing.

Optional 500-sheet feeder boosts input capacity to 900 sheets.

HP ImageREt 2400 precisely and automatically blends varying amounts of the four process colors for more accurate detail and photorealistic images without speed or cost penalties.



Auto-duplex unit* allows you to easily create more documents by letting you print color up to 8.5 by 14 inches on both sides of the page, and it supports 17 to 28 lb paper.






Optional HP JetDirect 600N (EIO) Internal Print Servers connect printers to your network anywhere in the office and let you manage them remotely with HP Web JetAdmin printer management software.

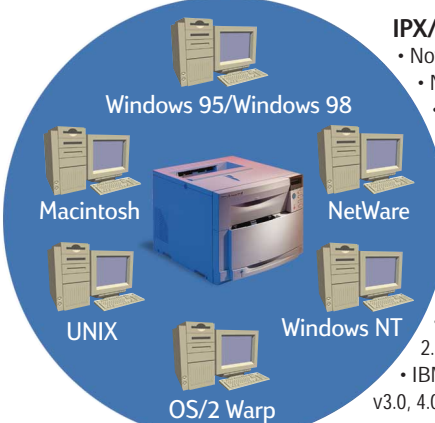
HP Color LaserJet 4500 Series Printers

How to choose the right HP Color LaserJet 4500 Series printer.

There are three models to choose from, each designed to meet the needs of a particular type of workgroup. Ways in which the models differ from the base model are shown in red.

Printer	Application	Memory	Network Enhancements	Paper Handling	Optional Accessories
 <p>HP Color LaserJet 4500</p>	8.5- by 14-inch general office color printer	32 MB of RAM		<ul style="list-style-type: none"> Tray 1: 150-sheet multipurpose input tray supports #10 envelopes through 8.5 by 14, labels, card stock and specialty media Tray 2: 250-sheet input tray supports A5 through legal 	<ul style="list-style-type: none"> Printer cabinet with storage shelf Auto-duplex unit* 500-sheet feeder
 <p>HP Color LaserJet 4500 N</p>	8.5- by 14-inch general office network-ready color printer	64 MB RAM	HP JetDirect 600N (EIO) 10/100 Base-TX Internal Print Server	<ul style="list-style-type: none"> Tray 1: 150-sheet multipurpose input tray supports #10 envelopes through 8.5 by 14, labels, card stock and specialty media Tray 2: 250-sheet input tray supports A5 through legal 	<ul style="list-style-type: none"> Printer cabinet with storage shelf Auto-duplex unit 500-sheet feeder
 <p>HP Color LaserJet 4500 DN</p>	8.5- by 14-inch general office network-ready color printer	64 MB RAM	HP JetDirect 600N (EIO) 10/100 Base-TX Internal Print Server	<ul style="list-style-type: none"> Tray 1: 150-sheet multipurpose input tray supports #10 envelopes through 8.5 by 14, labels, card stock and specialty media Tray 2: 250-sheet input tray supports A5 through legal Tray 3: 500-sheet feeder standard on DN supports B5 through legal Auto-duplex unit 	<ul style="list-style-type: none"> Printer cabinet with storage shelf

Connectivity Chart

	IPX/SPX <ul style="list-style-type: none"> Novell NetWare v3.11, 3.12, 4.0, 4.1 Novell NDS and NDPS Microsoft® Windows® 95/Windows 98 Networking Microsoft Windows NT® v3.51, 4.0 Novell IntranetWare 	DLC/LLC <ul style="list-style-type: none"> IBM OS/2 Warp v3.0, 4.0 Microsoft Windows NT v3.51, 4.0 Artisoft LANtastic! v7.0
	TCP/IP <ul style="list-style-type: none"> HP-UX v10.2, 11.x SunOS v4.1.3, 4.1.4 Solaris v2.3, 2.4, 2.5x, 2.6 IBM OS/2 Warp v3.0, 4.0 	<ul style="list-style-type: none"> IBM AIX v3.2.5 and later Microsoft Windows NT v3.51, 4.0 Windows 95/ Windows 98 Networking lpd MPE-iX v5.5 Mac OS v7.6.x, 8.1 or greater

HP Color LaserJet 4500 Series Printers Specifications

Printing Process

- Four-toner dry-type laser electrophotography

Duty Cycle

- Up to 35,000 pages per month

Warranty

- One-year onsite warranty
- Enhance/upgrade basic warranty with HP SupportPack

Speed and Throughput**

- 4-ppm full color; 16-ppm black and white
- 133-MHz microprocessor
- First page out in 36 seconds for full color printing; 26 seconds for black and white

Resolution

- True 600 x 600 dpi engine
- HP ImageREt 2400 uses a proprietary process to produce millions of solid colors and photo-realistic images
- HP ColorSmart II provides automatic halftoning and color control based on data type
- Industry standard sRGB color management
- Automatic color calibration ensures consistency of color over time, between different printers and in different environments

Paper Handling

- Standard 150-sheet and 250-sheet input trays, plus an optional 500-sheet feeder for a total of 900 sheets
- Optional auto-duplex unit* for double-sided printing up to 8.5 x 14 inches
- Standard output trays: 250 face-down; 100 face-up (straight-through paper path)
- "Output full" sensor
- Input trays/capacities/media sizes:
 - Multipurpose tray #1 - 150-sheet capacity; 3 x 5 inch (straight-through paper path only) through 8.5 x 14 inches and up to 10 #10 envelopes
 - Tray #2 250-sheet capacity; A5 through legal
 - Tray #3 500-sheet capacity; B5 through legal
- Paper input-level indicator
- Auto-duplex unit* supports 17 to 28 lb paper

Media Sizes

- A4: 210 x 297 mm; 8.3 x 11.7 in (printable: 201 x 288 mm; 7.9 x 11.3 in)
- A5: 210 x 148.5 mm; 8.3 x 5.8 in (printable: 198.1 x 138.1 mm; 7.8 x 5.4 in)
- B5: 182 x 257 mm; 7.2 x 10.1 in (printable: 176 x 250 mm; 6.7 x 9.5 in)
- Letter: 216 x 279 mm; 8.5 x 11 in (printable: 207 x 270 mm; 8.2 x 10.7 in)
- Legal: 216 x 356 mm; 8.5 x 14 in (printable: 207 x 347 mm; 8.2 x 13.7 in)
- Executive: 184 x 267 mm; 7.3 x 10.5 in (printable: 175 x 258 mm; 6.9 x 10.2 in)

Envelope Sizes

- #10 common: 241 X 105 mm; 9.5 x 4.1 in (printable: 235 x 100 mm; 9.3 x 3.93 in)
- Monarch: 191 x 98 mm; 7.5 x 3.9 in (printable: 185 x 93 mm; 7.3 x 3.7 in)
- DL: 220 x 110 mm; 8.7 x 4.3 in (printable: 214 x 105 mm; 8.43 x 4.1 in)
- C5: 229 x 162 mm; 9 x 6.4 in (printable: 223 x 157 mm; 8.8 x 6.2 in)
- B5: 250 x 176 mm; 9.9 x 6.9 in (printable: 244 x 171 mm; 9.6 x 6.7 in)

Media Types

- Papers: Copier, bond, recycled and HP Color LaserJet Soft Gloss 4500/8500 Paper, HP LaserJet and HP Multipurpose Paper
- Specialty media: HP Color LaserJet Transparencies and laser-qualified labels
- Standard 150-sheet multipurpose input tray #1 accepts 60 to 135 g/m², (16 to 32 lb) all sizes of media, 60 to 176 g/m² (16 to 47 lb) for media equal to or less than 148 mm (5⁷/₈ in) width
- Standard 250-sheet input tray #2 accepts 60 to 105 g/m² (16 to 28 lb) paper

Management

- HP Web JetAdmin printer management software—available from HP's website—for simple installation, configuration, management and troubleshooting from a web browser
- HP JetAdmin printer management software provides easy printer setup and use
- Pantone[®] application palettes available via HP web site
- TrueType[®] screen fonts
- HP FontSmart
- HP LaserJet Utility for Macintosh
- SNMP- and industry-standard printer MIB-compliant for network management capability

Printer drivers for Windows 3.1, Windows 95, Windows 98, Windows NT 3.51 and 4.0:

- PCL HP ColorSmart II driver
- PostScript[®] Level 2 emulation driver with HP ColorSmart II
- Windows installer

Printer drivers for OS/2:

- PCL driver
- PostScript Level 2 emulation driver

Printer drivers for Macintosh:

- PostScript Level 2 emulation driver with HP ColorSmart II
- Macintosh installer

Connectivity

- ECP parallel C-connector interface
- Two EIO interface slots for fast data transfer and modular expansion
- Optional HP JetDirect 600N (EIO) Internal Print Servers for Fast Ethernet, Ethernet, Token Ring and LocalTalk environments
- Most major network operating systems supported with appropriate HP JetDirect 600N (EIO) Internal Print Server card inserted into printer's EIO slot (see Connectivity Chart for specifics)
- Automatic network protocol switching allows printer to support more than one network operating system
- A full line of third-party interfaces is also available. See the HP Peripherals Connectivity Solution Guide (p/n 5968-1256EUC) for a complete listing

**Throughput is application file- and system-dependent. Optimal performance achieved with the most current software applications and HP drivers, recommended memory and I/O configuration.

***Pantone Inc.'s check-standard trademark for color.

HP Color LaserJet 4500 Series Printers Specifications

Memory

HP Color LaserJet 4500:

- 32 MB RAM

HP Color LaserJet 4500 N and 4500 DN:

- 64 MB RAM

All HP Color LaserJet 4500 Series printers:

- Memory Enhancement technology (MEt)
- Three universal DIMM slots for maximum addressable memory capacity of up to 208 MB (3 x 64-MB DIMM)
- Optional DRAM DIMMs in 4, 8, 16, 32 and 64 MB

Printer Languages

- HP PCL 5c
- PostScript Level 2 emulation
- Automatic language switching
- HP JetSend-enabled

Control Panel

- Backlit 2 x 16 display with rocker switches to go forward or reverse through the menus
- Expanded help messages are available on control panel, providing easy-to-follow instructions for repairing problems or replacing consumables
- “Toner low” and “Toner out” messages for each color cartridge
- Go and Cancel Job buttons
- Language selection can also be done at control panel
- Messages can be displayed in these 15 languages: Czech, Danish, Dutch, English, Finnish, French, German, Italian, Japanese (Katakana), Norwegian, Polish, Portugese, Russian, Spanish and Swedish

Font Capabilities

- 135 TrueType scaleable fonts (80 built in); all PostScript emulation and HP PCL-accessible
- Language font DIMMs available: Arabic, Traditional and Simplified Chinese, Cyrillic, Greek, Hebrew, Japanese and Korean
- HP FontSmart software provides simple font management
Intellifont and TrueType rasterizer built into HP PCL 5c

Environmental Ranges

Temperature for Printer

Operating: 15° to 27° C (59° to 80.6° F)

Storage: -20° to 40° C (-4° to 104° F)

Humidity

Operating: 10% to 70% RH

Storage: 10% to 95% RH

Acoustics

- Operating Position: L57 dB (A) printing, L<49 dB (A) idle (per ISO 9296, DIN 45635, T.19)
- Bystander 1m: L<52 dB (A) printing, L<45 dB (A) idle (per ISO 7779, DIN 45635, T.19)
- Sound Power: L=6.6 bels (A) printing, L=6.0 bels (A) idle (per ISO 9296)

Power Requirements

- Source: 100 to 127 volts (+/- 10%), 50/60 Hz (+/- 2 Hz) or 220 to 240 volts (+/- 10%), 50/60 Hz (+/- 2 Hz)
- Printer's voltage ranges depend upon the country in which the printer is purchased

Power Consumption:

Color printing: 300 watts

Monochrome printing: 500 watts

Idle (ready state): 140 watts

ENERGY STAR Powersave mode: <45 watts

Off mode: <2 watts

Minimum Circuit Capacity:

115 volts @ 11 amps or 230 volts @ 5 amps

Dimensions (H x W x D)

HP Color LaserJet 4500 and 4500 N:

390 x 500 x 570 mm (15.4 x 19.7 x 22.4 in)

HP Color LaserJet 4500 DN:

567 x 500 x 708 mm (22.3 x 19.7 x 27.9 in)

Weight

HP Color LaserJet 4500 and 4500 N:

50.8 kg (112 lb)

HP Color LaserJet 4500 DN:

73 kg (162.5 lb)

Product Certifications

UL and cUL listed, Nom-NYCE approved, and carries CE marking for EU EMC and Low Voltage Directives.

Complies with IEC 950/EN 60950 and IEC 825-1/EN60825-1 (Class Laser Product/LED product); meets FCC and CISPR-22 Level B limits.



HP Color LaserJet 4500 Series Printers

Ordering Information

HP Part Number

Printer

C4084A
C4089A
C4094A

Description

HP Color LaserJet 4500
HP Color LaserJet 4500 N
HP Color LaserJet 4500 DN

Supplies and Accessories

C4195A

Drum Kit (imaging drum cartridge, large air filter, small air filter, hand wipe) (25,000 pages black & white, 6,500 pages color)

C4196A

Transfer Kit (transfer drum, transfer belt, transfer charger, cleaning roller, charcoal filter, hand wipe) (100,000 pages black & white, 25,000 pages color)

C4197A

110-volt Fuser Kit (100,000 pages black & white, 50,000 pages color)

C4198A

220-volt Fuser Kit (100,000 pages black & white, 50,000 pages color)

C4235A

Printer cabinet with storage shelf

Paper Handling

C4083A
C4082A

Auto-duplex unit*
500-sheet feeder

Memory

C4140A
C4141A
C4142A
C4143A
C3913A

4-MB DIMM
8-MB DIMM
16-MB DIMM
32-MB DIMM
64-MB DIMM

Toner

C4191A
C4192A
C4193A
C4194A

Black toner cartridge (9,000 pages)
Cyan toner cartridge (6,000 pages)
Magenta toner cartridge (6,000 pages)
Yellow toner cartridge (6,000 pages)

HP JetDirect 600N (EIO) Internal Print Servers

J3110A
J3111A

For Ethernet 10Base-T (RJ-45) networks
For Ethernet 10Base-T (RJ-45)/10Base2 (BNC) and LocalTalk (DIN-8) networks

J3112A
J3113A

For Token Ring (DB9 & RJ-45) networks
For Fast Ethernet 10/100Base-TX (RJ-45) networks (standard in HP Color LaserJet 4500 N and 4500 DN)

Interface and Cables

C2946A

HP parallel C-connector cable

Support Pack

H5491A

3-year HP SupportPack

For more information, printer drivers and network printer management software, visit our HP LaserJet 4500 Series printer web site at: www.hp.com/go/lj4500

HP Customer Care

HP Color LaserJet 4500 Series printers are backed by HP Customer Care, providing award-winning service and support solutions that keep you up and running. HP Customer Care is available around the clock and around the world.

If you have questions about HP Color LaserJet 4500 Series printers, there are a number of places you can turn to for answers:

- HP Customer Care Online for convenient, 24-hour technical support at www.hp.com/go/support
- HP's comprehensive portfolio of services at www.hp.com/go/printservices
- The HP Customer Care Center for fast, expert assistance by telephone: (208) 323-2551†.
- HP Customer Care by Fax (HP FIRST) provides answers and fax support for hardware and software information 24 hours a day: (800) 333-1917†.
- HP Driver and Software Distribution for optional software solutions and printer drivers for most popular applications: (970) 339-7009†.

†These services are based in the United States. Outside the U.S., call your HP regional office for information on country-specific support.

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Year 2000 Compliance: HP Color LaserJet 4500 Series printers are Year 2000 compliant.

Preserving natural resources and minimizing waste are part of HP's commitment to environmental stewardship. That's why all HP printers are 100 percent ENERGY STAR® compliant.



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*When auto-duplex unit is purchased separately for a base unit, a minimum of 40 MB of memory is required in the printer.