

HP

Color LaserJet 8500 Series

Printers



How departmental color printing is done.

If your company needs a color printing solution but you haven't yet found a networked color laser up to your standards, you'll love the new HP Color LaserJet 8500 Series printers.

These printers are ideal for all your departmental color printing needs from marketing to CAD, creative and finance. They quickly and economically print up to 12- by 18.5-inch output on both sides of the page, and can print on a wide variety of media including glossy and card stock. This makes them ideal for marketing proposals, slide presentations, brochures and more. Best of all, they're easy to support and maintain.

HP Color LaserJet 8500 Series printers join HP Color LaserJet 4500 Series printers in providing you with a family of choices for all your color printing needs. All offer HP's industry-leading network printing solution that includes 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 from HP Customer Care, and HP's unparalleled reputation for quality, reliability and compatibility.

Network departmental color laser printers.

Get high-quality output, fast.

- 6-page-per-minute (ppm) rated engine speed for full-color 8.5 by 11 and A4 documents
- 24-ppm rated engine speed for black and white 8.5 by 11 and A4 documents
- Supports paper sizes up to 12 by 18.5 inches
- 600-dpi resolution with HP Image Resolution Enhancement technology (HP ImageREt 2400)
- Automatic color matching with sRGB and HP ColorSmart II
- Supports 16- to 58-pound bond paper weights
- Input capacity of up to 3,100 pages through four different input sources (DN model)
- Automatic Color Calibration adjusts the density of each color to give you a greater degree of color consistency from print to print
- Fast multiple prints with dynamic RIP-once technology from a 2.1-GB hard drive

Easy to support and manage.

- Easy remote installation, configuration and management with HP Web JetAdmin
- Optimized for Microsoft® Windows NT® and NT Client environments
- Unique technologies reduce network traffic
- Less frequent supply restocking with high-capacity color consumables
- Backed by HP Customer Care

Industry-leading cost of ownership.

- HP Web JetAdmin saves you time when dealing with printers and increases end-user productivity
- Low cost per page
- Optional auto-duplex unit lets you print on both sides of a page automatically
- Productivity savings with
 - No-hassle color solutions
 - Low consumable intervention rate
 - Award-winning reliability and support
 - Flexible paper handling reduces user intervention
 - High-capacity consumables
- Low energy consumption

HP Color LaserJet 8500 Series Printers

Create stunning laser-quality color output up to 12 by 18.5 inches.



HP Color LaserJet 8500 DN model comes with two available EIO slots and parallel connector.

HP Color LaserJet 8500 DN



HP Color LaserJet 8500 Series Printers Accessories



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. (Standard on N and DN models.)



2.1-GB hard drive lets you create multiple original prints (mopies) using a single network transmission and single format process. The hard drive also gives expanded storage of forms, fonts and signatures. (2.1-GB hard drive optional on base model, standard on N and DN models.)



Optional auto-duplex unit saves paper and money by letting you print up to 11- by 17-inch images on both sides of a page automatically. (Standard on DN models.)



Optional 8-bin mailbox offers three output modes: mailbox, job separation and stacking. (Available on DN model only.)



Four separate high capacity microfine toner cartridges (cyan, magenta, yellow and black)




Accurate color output every time.

- HP ColorSmart II automatic color matching gives you accurate color whether you describe it in terms of sRGB, CMYK or an established Color Management System (CMS).
- HP ImageREt 2400 precisely blends toner for photorealistic images and allows the user to print high quality images, text and graphics right out of the box without confusing driver settings or causing tradeoffs among print quality, performance or memory.
- Automatic color calibration adjusts the density of each color to give you a greater degree of color consistency from print to print.
- ‘Proof & Print’ option, selectable through the printer driver, allows you to check your document before printing multiple copies.
- ‘Go’ button lets you easily set up the printer to automatically override and print on available media, or require the selected media.
- Media-by-type lets you assign a media type to input trays and have the printer automatically find and use the correct media, helping to reduce waste.
- ‘Cancel Job’ button clears specific jobs without affecting other jobs in the print queue and without cycling power on the printer.

HP Color LaserJet 8500 Series Printers

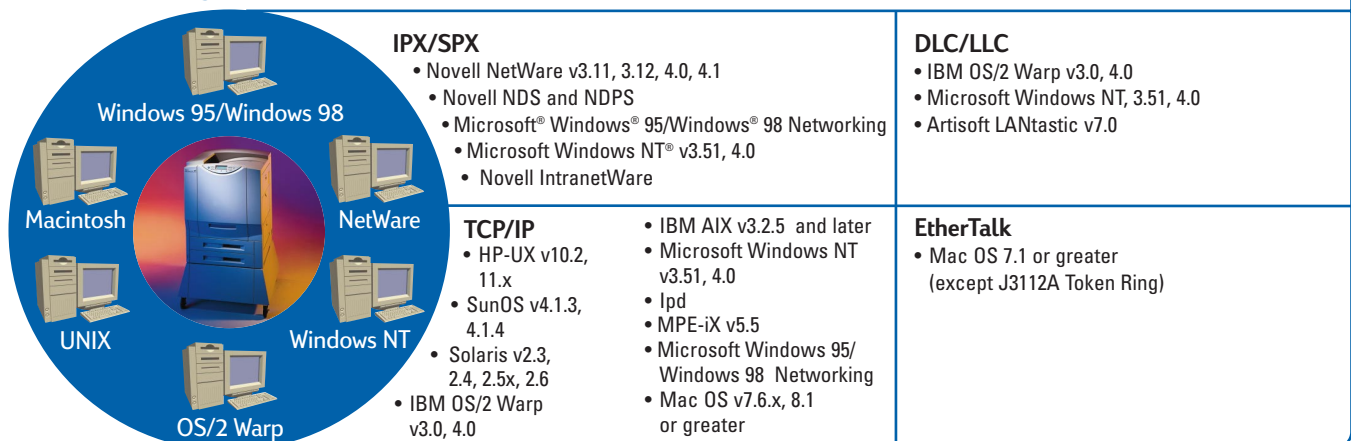
How to choose the right HP Color LaserJet 8500 Series printer.

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

Printer	Application	Memory	Network Enhancements	Paper Handling	Optional Accessories
 <p>HP Color LaserJet 8500</p>	Departmental general office color printer	32 MB RAM		100-sheet multipurpose input tray (Tray 1) supports B5, executive, letter, A4, legal, B4, 11 by 17, A3 and custom-sized media, as well as envelopes, labels and card stock; 500-sheet input tray (Tray 2) supports letter, A4, legal and B4 media; 500-sheet input tray (Tray 3) supports letter, A4, legal, B4, 11- by 17-inch and A3 media	Auto-duplex unit, 2.1-GB EIO disk, HP JetDirect 600N (EIO) Internal Print Servers Installation
 <p>HP Color LaserJet 8500 N</p>	Departmental network-ready office color printer	32 MB RAM	HP JetDirect 600N (EIO) 10/100Base-TX Internal Print Server, 2.1-GB disk	100-sheet multipurpose input tray (Tray 1) supports same as Tray 1 above; 500-sheet input tray (Tray 2) supports same as Tray 2 above; 500-sheet input tray (Tray 3) supports same as Tray 3 above	Auto-duplex unit, HP JetDirect 600N (EIO) Internal Print Servers Installation
 <p>HP Color LaserJet 8500 DN</p>	Departmental network-ready high-volume color printer	64 MB RAM	HP JetDirect 600N (EIO) 10/100Base-TX Internal Print Server, 2.1-GB disk	100-sheet multipurpose input tray (Tray 1) supports same as Tray 1 above; 500-sheet input tray (Tray 2) supports same as Tray 2 above; 500-sheet input tray (Tray 3) supports same as Tray 3 above; 2,000-sheet input tray (Tray 4) supports letter, A3, A4, legal, B4 and 11- by 17-inch; auto-duplex unit supports A3, A4, B4, A5, letter, legal, 11- by 17-inch and executive media	8-bin mailbox, HP JetDirect 600N (EIO) Internal Print Servers

(Installation included with the DN model)

Connectivity Chart



HP Color LaserJet 8500 Series Printers Specifications

Printing Process

- Four-toner dry-type laser electrophotography

Duty Cycle

- Up to 60,000 pages per month

Warranty

- One-year onsite warranty on printer and original imaging units
- 90-day warranty on replacement imaging units and toner supplies
- Extend basic warranty with HP SupportPack

Speed and Throughput*

- 6-ppm rated engine speed for full-color 8.5 x 11 and A4 documents
- 24-ppm rated engine speed for black and white 8.5 x 11 and A4 documents
- 2-ppm rated engine speed for color transparencies
- 2.6 ppm for black and white transparencies
- 133-MHz ITD (MIPS) 4700 processor for fast color formatting
- 64-bit data path in processor and formatter
- Up to 1-MB-per-second Expanded Capabilities Port parallel C-connector I/O
- Warmup time 5 minutes or less
- Dynamic RIP-once for multiple copies at engine speed (with 2.1-GB EIO disk)
- Multiple Original Print (MOPY) technology prints multiple copies with reduced network traffic (with 2.1-GB EIO disk)
- Memory Enhancement technology (MEt) automatically compresses page data to provide the most efficient use of printer's RAM
- Advanced EIO Interface slots for HP JetDirect 600N (EIO) Internal Print Servers and accessories

Resolution

- 600 dpi with HP ImageREt 2400
- HP ImageREt 2400 uses a proprietary process to produce millions of solid colors and photorealistic images
- HP ColorSmart II with sRGB provides smart selection of vivid, smooth and detailed printing by data type
- 256 levels of gray

Paper Handling

All HP Color LaserJet 8500 Series printers:

- 100-sheet multipurpose tray (Tray 1) accepts B5, executive, letter, A4, legal, B4, 12 x 18.5, A3 and custom-sized media, as well as envelopes, labels and card stock
- 500-sheet input tray (Tray 2) accepts letter, A4, legal and B4 media
- 500-sheet input tray (Tray 3) accepts letter, A4, legal, 11 x 17, A3 and B4 media
- Output tray holds 500 face-down sheets
- Face-up tray holds 100 sheets of 20-pound paper
- HP JetAssist connector for easy installation of paper-handling accessories
- "Output full" sensor (face-down bin only)
- Paper input-level indicator

HP Color LaserJet 8500 and 8500 N:

- Optional auto-duplex unit

HP Color LaserJet 8500 DN:

- Auto-duplex unit
- Optional 8-bin mailbox with three output modes: mailbox, job separation, stacking
- 2,000-sheet input tray (Tray 4) accepts letter, A4, legal B4, 11 x 17 and A3 media

Media Sizes

- Supports A- and B-size full bleeds
- B5: 182 x 257 mm, 7.2 x 10.1 in (printable: 173 x 248 mm, 6.8 x 9.8 in)
- Executive: 184 x 267 mm, 7.3 x 10.5 in (printable: 175 x 258 mm, 6.9 x 10.2 in)
- Letter: 216 x 279 mm 8.5 x 11 in (printable: 207 x 270 mm, 8.2 x 10.6 in)
- A4: 210 x 297 mm, 8.3 x 11.7 in (printable: 201 x 288 mm, 7.9 x 11.3 in)
- Legal: 216 x 356 mm, 8.5 x 14 in (printable: 207 x 347 mm, 8.2 x 13.7 in)
- B4: 257 x 364 mm, 10.1 x 14.3 in (printable: 248 x 355 mm, 9.8 x 14 in)
- 11 x 17: 279 x 432 mm, 11 x 17 in (printable: 270 x 423 mm, 10.6 x 16.7 in)
- A3: 297 x 420 mm, 11.7 x 16.5 in (printable: 288 x 411 mm, 11.3 x 16.2 in)
- Minimum paper size: 98.4 x 190 mm, 3.9 x 7.5 in (printable: 89 x 181 mm, 3.5 x 7.1 in)
- Maximum paper size: 305 x 470 mm, 12 x 18.5 in (printable: 296 x 461 mm, 11.7 x 18.1 in)

Envelope Sizes

- Monarch: 191 x 98 mm, 7.5 x 3.9 in (printable: 182 x 89 mm, 7.2 x 3.5 in)
- DL: 220 x 110 mm, 8.7 x 4.3 in (printable: 211 x 101 mm, 8.3 x 4.0 in)
- Com10: 241 x 105 mm, 9.5 x 4.0 in (printable: 232 x 96 mm, 9.1 x 3.8 in)
- C5: 229 x 162 mm, 9 x 6.4 in (printable: 220 x 153 mm, 8.7 x 6.0 in)

Media Types

- Copier, recycled paper: 60 to 105 g/m² (16 to 28 lb bond) through standard input trays
- Multipurpose input tray: 60 to 216 g/m² (16 to 58 lb bond)
- HP Color LaserJet Transparencies: Trays 1, 2, 3
- HP Color LaserJet 4500/8500 Soft Gloss Paper: All trays
- Laser printer-qualified labels: Tray 1
- Envelopes: Tray 1

Management

- HP PCL software (available Spring 1999):
 - HP LaserJet Printing System for Microsoft® Windows 3.1, Windows 95/98 and Windows NT 4.0: automatic setup program
 - OS/2 HP PCL driver
- Adobe™ PostScript™ software included:
 - Microsoft Windows 3.1, Windows 95/98 and Windows NT 4.0
 - Macintosh printer software—installer
 - OS/2 Adobe Postscript driver
- AutoCAD v.R10- through R14-compatible drivers
- UNIX® scripts
- HP JetAdmin printer management software
- Pantone®**
- HP ColorSmart II
- TrueType® screen fonts, HP FontSmart

HP Color LaserJet 8500 Series Printers Specifications

- Optional printer software:
 - DOS AutoCAD drivers available through third parties
- HP Web JetAdmin printer management software available from HP's web site (www.hp.com/go/webjetadmin) for simple installation, configuration, management and troubleshooting from a common web browser
- All printer software and driver utilities ship on one CD-ROM
- ToolBox utilities for Novell and Microsoft Windows NT
- SNMP- and industry-standard printer MIB-compliant for network management compatibility

Connectivity

- Bidirectional IEEE 1284 parallel C-connector interface standard
- Two open EIO 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
- HP JetDirect 600N (EIO) Internal Print Servers support NDS, NDPS, SNMP, DHCP-WINS and lpd
- Full line of third-party interfaces available (See the HP Peripherals Connectivity Solution Guide p/n 5968-1256EUC for a more complete listing)

Memory

All HP Color LaserJet 8500 Series printers:

- Eight universal DIMM slots
- Optional 4-, 8-, 16-, 32- and 64-MB DIMM RAM (loaded in pairs only)
- Maximum memory capacity: 256 MB
- Advanced Compression technology
- Internal (factory-installed) IDE or customer-installable EIO 2.1-GB hard drive optional

HP Color LaserJet 8500 and 8500 N:

- 32 MB standard RAM

HP Color LaserJet 8500 DN:

- 64 MB standard RAM

Printer Languages

- Adobe PostScript 3 and Enhanced HP PCL 5 with color
- Automatic language switching

Control Panel

- Backlit 2 x 16 LCD display
- Messages can be displayed in 11 languages: Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Portuguese, Spanish, Swedish

Font Capabilities

- 45 scalable HP FontSmart typefaces built in
- 136 scalable Adobe PostScript Type 1 typefaces
- Accepts all Type 1 typefaces with Adobe PostScript
- Accepts HQ3 Intellifont and Type 1 typefaces with HP FontSmart software installed
- TrueType rasterizer in both HP PCL and Adobe PostScript printer languages

Environmental Ranges

Temperature for Printer and Toner:

Operating: 15° to 27° C (59° to 81° F)

Storage: 0° to 35° C (32° to 95° F)

Altitude:

Operating: 0 to 3,100 m (0 to 10,000 ft)

Storage: 0 to 4,600 m (0 to 15,000 ft)

Humidity:

Operating: 15% to 70% RH

Storage: 10% to 80% RH

Acoustics:

- Operating Position: L_{PA} 55 dB(A) printing, L_{PA} 49 dB(A) standby

- Bystander 1m: L_{PA} 51 dB(A) printing, L_{PA} 45 dB(A) standby

- Sound Power: L_{WAD} = 6.7 bels (A) printing,
 L_{WAD} = 6.1 bels (A) standby

Power Requirements

- Source: 100 to 127 volts (+ or - 10%) or 220 to 240 volts (+ or - 10%)
- Printer's voltage ranges depend upon the country in which the printer is purchased
- Frequency: 50 or 60 Hz (+/- 3 Hz)

Power Consumption:

- Black and white printing: 750 watts
- Color printing: 375 watts
- Standby: 220 watts
- Powersave: <45 watts

Minimum Average Current while Printing:

- 5.5 amps (230 volts)
- 11.3 amps (115 volts)

Dimensions (H x W x D)

HP Color LaserJet 8500 and 8500 N:

1060 x 668 x 714 mm (41.7 x 26.3 x 28.1 in)

HP Color LaserJet 8500 DN:

1238 x 659 x 687 mm (48.7 x 25.9 x 27 in)

Weight

HP Color LaserJet 8500 and 8500 N:

101.2 kg (223 lb)

HP Color LaserJet 8500 DN:

122.5 kg (270 lb)

Product Certifications

- UL and cUL listed, Nom-NYCE Approved, carries CE marking for Eu EMC and Low Voltage Directives, complies with IEC 950/EN 60950 and IEC 825-1/EN60525-1 (Class 1 Laser Product/LED Product), meets CISPR-22 and FCC Level B limits

HP
Color LaserJet 8500 Series
Printers

Ordering Information

HP Part Number	Description
Printer	
C3983A	HP Color LaserJet 8500
C3984A	HP Color LaserJet 8500 N
C3985A	HP Color LaserJet 8500 DN (installation included)

Supplies and Accessories

C4782A	Auto-duplex unit
C4785A	8-bin mailbox (available for DN model only)
C4153A	Imaging Drum Kit (imaging drum cartridge, large air filter, small air filter, hand wipe)
C4154A	Transfer Kit (transfer drum, transfer belt, transfer charger, cleaning roller, charcoal filter, hand wipe)
C4155A	Fuser Kit (110-volt)
C4156A	Fuser Kit (220-volt)
C2985B	2.1-GB EIO disk (for HP Color LaserJet 8500 model only p/n C3983A)
C4179A	HP Color LaserJet 4500/8500 Soft Gloss Paper—premium coated—32 lb bond/80 lb text, 8.5 x 11, 200 sheets/box
C2934A	HP Color LaserJet Transparencies—5 mm caliper—premium coated both sides, 8.5 x 11, 50 sheets/box
HPJ1124	HP LaserJet Paper—91 brightness—24 lb, 8.5 x 11, 500 sheets/ream, 10 reams/carton
HPJ200C	HP LaserJet Paper—91 brightness—24 lb, 8.5 x 11, 200 sheets/ream, 12 reams/carton
HPJ113H	HP LaserJet Paper—91 brightness—24 lb, 8.5 x 11 3-hole, 500 sheets/ream, 10 reams/carton

Memory (must be added in pairs)

C4140A	4-MB DIMM
C4141A	8-MB DIMM
C4142A	16-MB DIMM
C4143A	32-MB DIMM
C3913A	64-MB DIMM

Toner

C4149A	Black toner cartridge
C4150A	Cyan toner cartridge
C4151A	Magenta toner cartridge
C4152A	Yellow toner cartridge

HP JetDirect 600N (EIO) Internal Print Servers

J3110A	For Ethernet 10Base-T networks
J3111A	For Ethernet 10Base-T/10Base2 and LocalTalk networks
J3112A	For Token Ring networks
J3113A	For Fast Ethernet 10/100Base-TX networks (standard on HP Color LaserJet 8500 N and 8500 DN)

Interface and Cables

C2946A	HP parallel C-connector cable
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HP SupportPack

H5549A	HP SupportPack for hardware services; 3-year, next-day, onsite support
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HP Customer Care

HP Color LaserJet 8500 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 8500 Series printers, there are a number of places you can turn to for answers:

- HP Customer Care Online for convenient 24-hour technical support, www.hp.com/go/support.
- HP's comprehensive portfolio of services, www.hp.com/go/printerservices.
- 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, (805) 257-5565.[†]
- Canada Support (800) 387-3867

For Product Literature:

United States: (800) LASERJET (527-3753)

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Year 2000 Compliance: HP Color LaserJet 8500 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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For more information, printer drivers and network printer management software, visit our HP Color LaserJet 8500 Series printer web site at:
www.hp.com/go/clj8500

* 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.

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