

HP

LaserJet 8100 Series

Printers

32-page-per-minute, high-volume black and white network printers.



Buy an HP LaserJet 8100 Series printer for its performance. Love it for its versatility.

If you've been looking for a 32-page-per-minute (ppm) printer with HP quality, innovation and reliability, your search is over. Because HP LaserJet 8100 Series printers offer high-volume users unrivalled performance, versatility and manageability.

As the performance leaders in the HP LaserJet printer family, HP LaserJet 8100 Series printers incorporate the sophisticated technologies of HP LaserJet 4000, 5000 and 8000 Series printers. HP LaserJet 8100 Series

printers also include a host of new security, management and convenience features that ensure fast, great-looking output with an overall low total cost of ownership.

Designed as part of a complete network printing solution, HP LaserJet 8100 Series printers include HP Web JetAdmin peripheral management software, HP JetDirect 600N (EIO) Internal Print Servers and award-winning service and support with HP Customer Care.

High-performance, high-volume printers.

- New 32-ppm engine with 166-MHz RISC processor reduces waiting time for output
- HP Transmit Once minimizes network traffic
- Dynamic RIP-once for faster processing of multiple original prints (mopies)
- 16 MB of standard memory (24 MB on HP LaserJet 8100 DN model) makes it easy to print even large, complex documents
- HP FastRes 1200 for 1200-dpi quality without the usual network congestion and speed penalties
- Designed to print up to 150,000 pages a month

Versatile, hassle-free network printing for any business.

- New Job Retention features, such as Private Printing, offer more control over how and when confidential jobs are printed
- Create additional copies of a print job directly from your printer's control panel
- Frequently printed jobs, such as fax cover sheets, can be stored on the optional disk drive and printed via the control panel
- HP Web PrintSmart provides improved Internet printing and management
- HP Internet Installer and Oil Change for HP Customers give you automatic access to the latest printer drivers
- Flexible, customizable paper handling increases productivity while reducing trips to the printer
- Technologies, software and operations common to HP LaserJet 4000, 5000 and 8000 Series printers

Low total cost of ownership.

- HP LaserJet C4182X UltraPrecise maximum-capacity toner cartridge produces 20,000 pages (based on 5% average coverage)
- Cost-per-page of less than one cent
- HP TonerGauge monitors toner usage to take the guesswork out of ordering printing supplies
- HP Web JetAdmin peripheral management software makes it easy for network administrators to install, configure and manage network printers right from their desktops
- Backed by HP Customer Care for full-service support, including troubleshooting tools and phone support

HP LaserJet 8100 Series Printers

The performance leader in the HP LaserJet printer family.

HP LaserJet 8100 Series Printers Accessories



You can customize HP LaserJet 8100 Series printers for multiple original prints (copies) with options like the 2,000-sheet input tray and 3,000-sheet stapler/stacker shown above.



HP LaserJet 8100 Series printers come with three EIO interface slots, a bidirectional IEEE 1284-compliant parallel interface and an HP JetAssist connector for adding accessories.



Auto-duplex unit saves paper and money by allowing you to print up to 11- by 17-inch images on both sides of a page (standard on HP LaserJet 8100 DN model).



Additional 2 x 500-sheet input tray gives you multiple input sources with a variety of media.



HP Infrared Connect for cable-free, walk-up printing.



3,000-sheet stacker or 3,000-sheet stapler/stacker with multi-position stapling for up to 50-sheet documents separate, offset and finish jobs for you.



5-bin mailbox with stapler automatically sorts & staples jobs.



7-bin mailbox can fit right on a desk or tabletop. Automatically sorts job output into 7 bins with a capacity of 125 sheets each.



8-bin mailbox makes retrieving documents easy. Automatically sorts jobs into 8 bins with a capacity of 250 sheets each.



Optional envelope feeder allows users to print up to 100 envelopes without reducing paper capacity.



>2-GB EIO disk drive (shown above) and flash DIMMs provide expanded storage of forms, fonts and signatures.



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 LaserJet C4182X UltraPrecise maximum capacity replacement toner cartridge prints 20,000 pages (based on 5% average coverage).

HP LaserJet 8100 Series printers give you 32-ppm speed, unsurpassed versatility and HP reliability, all at a surprisingly low cost.

New security, manageability and convenience features make these the most versatile printers we've ever offered.

Sophisticated new technologies.

- Private Printing holds job until you enter your personal identification number (PIN) at the printer
- Proof-and-Hold lets you review your first copy, then print (or cancel) the balance of your job from the printer control panel
- Stored Jobs lets you store jobs on the optional disk drive for printing at any time via the printer control panel
- Quick Copy lets you make additional copies of your last print job right from the printer control panel
- Five Variable Fusing settings assure optimal print quality on heavy, rough or light media
- HP Infrared Connect (Fast IR) enables cable-free, walk-up printing from laptops and other infrared (IR)-capable devices

Easier printer management.

- HP Web JetAdmin printer management software for remote peripheral management via a common web browser
- Expanded Control Panel Help assists with troubleshooting at the printer, reducing help desk calls
- HP Web PrintSmart makes printing off the Internet easier than ever
- HP TonerGauge monitors toner usage to take the guesswork out of ordering printing supplies
- Usage Page provides detailed printer usage information including number of pages printed by paper size
- Oil Change for HP Customers can automatically check the HP web site for the latest drivers and update your client PCs or intranet
- HP JetSend enables information appliances like HP LaserJet 8100 Series printers to communicate directly with each other without a PC or server
- Common technologies among HP LaserJet 4000, 5000 and 8000 Series printers reduce end-user learning curve




Versatile paper handling and accessories.

- New 3,000-sheet stacker and 3,000-sheet stapler/stacker with multiposition stapling for up to 50-sheet documents make handling high-volume or multiple-copy jobs easier
- Greater support for custom media
- Straight-through paper path prevents curling of envelopes and heavier media

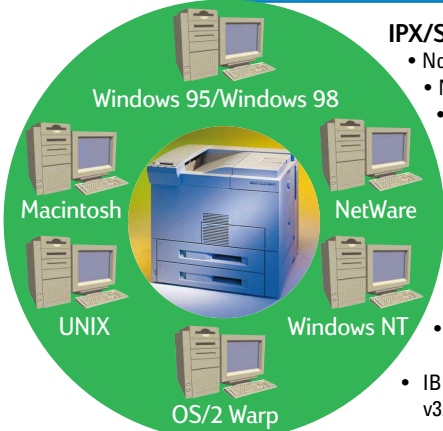
HP LaserJet 8100 Series Printers

How to choose the right HP LaserJet 8100 Series printer.

All three HP LaserJet 8100 Series printers are performance, versatility and value leaders. To choose the one that's right for your department, read through these descriptions. Ways in which the models differ from the base are shown in blue.

Printer	Application	Memory	Network Enhancements	Paper Handling	Optional Accessories
HP LaserJet 8100 	32-ppm departmental printer	16 MB of RAM with Memory Enhancement technology (MEt), expandable to 208 MB	HP Transmit Once, dynamic RIP-once, 3 open dual in-line memory module (DIMM) slots, 3 open EIO interface slots for HP JetDirect 600N (EIO) Internal Print Servers and accessories	100-sheet multi-purpose tray, 2 x 500-sheet input tray	Auto-duplex unit, 2,000-sheet input tray, 2 x 500-sheet input tray, 3,000-sheet stacker, 3,000-sheet stapler/stacker, 7-bin tabletop mailbox, stand for 7-bin mailbox, 8-bin mailbox, 5-bin mailbox with stapler, envelope feeder, >2-GB disk drive, 2- and 4-MB flash DIMMs, HP Infrared Connect, toner and HP SupportPack
HP LaserJet 8100 N 	32-ppm network-ready departmental printer	16 MB of RAM with Memory Enhancement technology (MEt), expandable to 208 MB	HP JetDirect 600N (EIO) 10/100Base-TX Internal Print Server , HP Transmit Once, dynamic RIP-once, 3 open DIMM slots, 2 open EIO interface slots for HP JetDirect 600N (EIO) Internal Print Servers and accessories	100-sheet multi-purpose tray, 2 x 500-sheet input tray	Auto-duplex unit, 2,000-sheet input tray, 2 x 500-sheet input tray, 3,000-sheet stacker, 3,000-sheet stapler/stacker, 7-bin tabletop mailbox, stand for 7-bin mailbox, 8-bin mailbox, 5-bin mailbox with stapler, envelope feeder, >2-GB disk drive, 2- and 4-MB flash DIMMs, HP Infrared Connect, toner and HP SupportPack
HP LaserJet 8100 DN 	32-ppm network-ready departmental printer with auto-duplex unit	24 MB of RAM with Memory Enhancement technology (MEt), expandable to 208 MB	HP JetDirect 600N (EIO) 10/100Base-TX Internal Print Server , HP Transmit Once, dynamic RIP-once, 2 open DIMM slots, 2 open EIO interface slots for HP JetDirect 600N (EIO) Internal Print Servers and accessories	100-sheet multi-purpose tray, 2 x 500-sheet input tray, auto-duplex unit	2,000-sheet input tray, 2 x 500-sheet input tray, 3,000-sheet stacker, 3,000-sheet stapler/stacker, 7-bin tabletop mailbox, stand for 7-bin mailbox, 8-bin mailbox, 5-bin mailbox with stapler, envelope feeder, >2-GB disk drive, 2- and 4-MB flash DIMMs, HP Infrared Connect, toner and HP SupportPack

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 Microsoft Windows 95/Windows 98 Networking lpd MPE-iX v5.5

HP LaserJet 8100 Series Printers Specifications

Duty Cycle

Up to 150,000 pages per month

Warranty

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

Speed and Throughput*

- 32-ppm rated engine speed for letter-size documents
- 166-MHz NEC VR4310™ MIPS RISC microprocessor
- HP Transmit Once technology for reduced network traffic
- Dynamic RIP-once technology for multiple original prints (copies) at engine speed
- First page out in less than 17 seconds after receipt of data
- Warm-up time from Powersave mode: between 17 and 90 seconds; from cold start: between 80 and 90 seconds

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

Resolution

- HP FastRes 1200 (1200-dpi quality) at engine speed
- 600 dpi
- 300 dpi
- Resolution Enhancement technology (REt)
- Optimized halftoning with up to 256 levels of gray
- Five levels of fusing for optimal print quality on heavy, rough or light media
- Prints to within 4.2 mm (0.17 inch) from edge of page (full-bleed printing on oversized paper by trimming)
- HP UltraPrecise 20,000-page toner cartridge
- Toner-saving EconoMode

Paper Handling

- Up to five input sources with a total capacity of 3,100 sheets (using 2,000-sheet input tray) and 100 envelopes OR up to six input sources (using 2 x 500-sheet input tray) with a total capacity of 2,100 sheets and 100 envelopes
- Standard input capacity of 1,100 sheets (100-sheet multipurpose tray and 2 x 500-sheet tray)
- Standard output capacity of 600 sheets (500 sheets face-down and 100 sheets face-up). Maximum output capacity of 3,600 sheets (using 3,000-sheet stacker or 3,000-sheet stapler/stacker)
- "Output full" sensor (face-down bin and optional mailboxes)
- PaperGauge senses input tray paper levels in 25% increments
- Straight-through paper path (from Tray 1 to face-up bin only)
- HP JetAssist connector for easy installation of paper-handling accessories
- Optional auto-duplex unit capable of handling 11 x 17 sheets (standard on HP LaserJet 8100 DN)
- Optional 2,000-sheet or 2 x 500-sheet input tray
- Optional 3,000-sheet stacker or 3,000-sheet stapler/stacker
- Optional 8-bin mailbox, 5-bin mailbox with stapler or 7-bin tabletop mailbox
- Optional 100-envelope feeder
- Optional stand for 7-bin tabletop mailbox

Media Sizes

- Tray #1: letter, legal, A3, A4, B/ledger, B4, executive, B5 and monarch
- Tray #1: also accommodates custom-sized media from 110 x 220 mm (3.9 x 7.5 in) to 297.18 x 449.58 mm (11.7 x 17.7 in)
- Tray #2: letter, legal, A4, B4
- Tray #3: letter, legal, A4, B4, 11 x 17, A3
- Optional 2,000-sheet input tray: letter, legal, A4, B4, 11 x 17, A3

- Optional 2 x 500-sheet input (Tray #4: letter, legal, A4, B4; Tray #5: letter, legal, A4, B4, 11 x 17, A3)

Envelope Sizes

- Tray #1 and optional envelope feeder: #10 regular: 241 x 105 mm; 9.5 x 4 in; monarch: 191 x 98 mm; 7.5 x 3.9 in DL: 220 x 110 mm; 8.7 x 4.3 in; C5: 229 x 162 mm; 9 x 6.4 in; 8.8 x 6.2 in; B5: 250 x 176 mm; 9.9 x 6.9 in

Media Types

- Copier, bond, special application and recycled papers
- Tray #1 (multipurpose tray) handles overhead transparencies and labels designed for laser printers
- Tray #1 handles 60 to 199 g/m² paper (16 to 53 lb)
- Tray #2 and #3 handle 60 to 105 g/m² paper (16 to 28 lb)
- Optional 2,000-sheet input tray, 2 x 500-sheet input tray, and auto-duplex unit handle 60 to 105 g/m² paper (16 to 28 lb)

Management

- HP Web JetAdmin peripheral management software available from HP's web site (www.hp.com/go/webjetadmin) for simple installation, configuration and management from a common web browser
- Enhanced HP JetAdmin printer management software provides easy printer setup, use and management
- HP Web PrintSmart software formats and prints Internet pages, polls the Internet for requested addresses and schedules printing as required. See www.hp.com/go/webprintsmart for more information
- Oil Change for HP Customers allows for manual or automatic driver updates from the Internet
- Internet software disk replication utility for distributing custom drivers
- HP TonerGauge technology lets users monitor toner usage
- Enhanced driver support of standard printer features for Microsoft Windows NT 3.51/4x, Windows 95, Windows 98, Windows 3.x, Macintosh, IBM OS/2 Warp, MS-DOS® and UNIX (HP-UX, Solaris SunOS)
- AutoCAD v.12-, 13- and 14-compatible driver
- HP Internet Installer can automatically update any of the printer drivers in Windows 95, Windows 98 and Windows NT 4x environments
- HP Toolbox utilities for Novell and Microsoft Windows NT provides bidirectional feedback on printing and printer status
- All printer software and driver utilities ship on one CD-ROM
- SNMP- and industry-standard printer MIB-compliant for network management capability

Job Retention (optional disk drive is required)

- Private Printing and Proof-and-Hold capabilities provide security and convenience
- Print jobs can also be retained on the optional hard disk and printed later through Quick Copy and Stored Job functionality

Connectivity

HP LaserJet 8100:

- Bidirectional, IEEE 1284-compliant parallel interface (parallel A to C cable included on HP LaserJet 8100 model only)
- Three EIO interface slots for optional HP JetDirect 600N (EIO) Internal Print Servers for Fast Ethernet, Ethernet, Token Ring and LocalTalk environments and accessories, including the HP EIO disk drive for forms and fonts storage

HP LaserJet 8100 N and HP LaserJet 8100 DN:

- HP JetDirect 600N (EIO) Internal Print Server for auto-sensing Fast Ethernet 10/100Base-TX networks
- Bidirectional, IEEE 1284-compliant parallel interface (parallel A to C cable not included)

HP LaserJet 8100 Series Printers Specifications

- Two open EIO interface slots for HP JetDirect 600N (EIO) Internal Print Servers for Fast Ethernet, Ethernet, Token Ring and LocalTalk environments and accessories, including the HP EIO disk drive for forms and fonts storage

All HP LaserJet 8100 Series printers:

- Optional HP Infrared Connect (Fast IR) provides IR capabilities for walk-up, cable-free printing from palmtops, laptop PCs and other IR-capable devices
- HP JetSend-enabled via EIO, parallel and IR connections. HP has developed device-to-device communication technology that enables communication between printers, scanners and a broad range of other information appliances without a PC or server
- Automatic switching between languages and ports
- HP Web JetAdmin and HP JetAdmin printer management software
- Optional HP JetDirect 600N (EIO) Internal Print Servers for Fast Ethernet, Ethernet, Token Ring and LocalTalk environments

Memory

HP LaserJet 8100 and 8100 N:

- 16 MB standard RAM with Memory Enhancement technology (MEt)

HP LaserJet 8100 DN:

- 24 MB standard RAM with Memory Enhancement technology (MEt)

All HP LaserJet 8100 Series printers:

- Three open 100-pin DIMM slots (two slots on the HP LaserJet 8100 DN) with memory expansion up to 208 MB
- Sufficient standard memory to produce mopies at engine speed using dynamic RIP-once in RAM
- Optional >2-GB disk drive for storage of print jobs, forms, fonts and signatures
- Optional 2- and 4-MB flash DIMMs

Printer Languages

- HP PCL 6, HP PCL 5e and PostScript® Level 2 emulation
- Automatic language switching

Control Panel

- Expanded Control Panel Help provides detailed troubleshooting instructions at the printer for intuitive operation and complete, easy-to-understand messages
- 2 x 16 backlit LCD display
- Buttons: Go, Cancel Job, Menu, Item, Value, Select
- LED indicators: Ready, Data, Attention
- Control panel can be locked through software
- Messages can be displayed in 17 languages: Czech, Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese (Katakana), Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish

Font Capabilities

- 110 scaleable TrueType™ fonts (80 built-in, 30 via HP FontSmart); all PostScript and HP PCL accessible
- HP FontSmart software provides easy-to-use font management capabilities for Windows 3.x
- HP Resource Manager provides easy-to-use font and HP PCL 5e macro download, delete and update capabilities for Windows 95, Windows 98 and Windows NT 4.0
- Intellifont and TrueType rasterizers built in

- Optional Greek, Hebrew, Cyrillic and Arabic fonts available for Europe
- Optional Korean, Traditional and Simplified Chinese fonts available for Asia

Environmental Ranges

Temperature for Printer and Toner:

Operating 10° to 32.5° C (50° to 91° F)

Storage: 0° to 35° C (32° to 95° F)

Humidity for Printer and Toner:

Operating 20% to 80% RH

Storage 20% to 80% RH

Acoustics:

- Operating position: L_{pAm} 59 dB (A) printing, L_{pAm} 41 dB (A) standby (per ISO 9296, DIN 45635, T.19)
- Bystander 1m: L_{pAm} 53 dB (A) printing, L_{pAm} 36 dB (A) standby (per ISO 7779, DIN 45635, T.19)
- Sound Power: L_{wAd} = 6.9 bels (A) operating (per ISO 9296), L_{wAd} = 5.2 bels standby

Power Requirements

Source:

- 100 to 120 volts (+/- 10%), 50/60 Hz (+/- 2 Hz)
127 volts, 60 Hz NOM or 220 to 240 volts (+/- 10%),
50 Hz (+/- 2 Hz) 220 volts (+/- 10%), 60 Hz (+/- 2 Hz)
- Printer's voltage ranges depend upon the country in which the printer is purchased

Minimum Circuit Capacity:

- 115 volts @ 15 amps or 230 volts @ 6.5 amps

Power Consumption:

- 110 v. HP LaserJet 8100 base printer; 700 watts printing; 145 watts standby; 29 watts Powersave mode; HP LaserJet 8100 N adds 3 watts to base, HP LaserJet 8100 DN adds 6 watts to base
- 220 v. HP LaserJet 8100 base printer; 710 watts printing; 145 watts standby; 32 watts Powersave mode; HP LaserJet 8100 N adds 3 watts to base, HP LaserJet 8100 DN adds 6 watts to base
- U.S. EPA ENERGY STAR qualified

Dimensions (H x W x D)

566 x 520 x 540 mm (22.3 x 20.5 x 21.6 in)

Weight

HP LaserJet 8100 and HP LaserJet 8100 N:

- 51 kg (113 lb) without cartridge; 54 kg (120 lb) with cartridge

HP LaserJet 8100 DN:

- 55 kg (121 lb) without cartridge; 58 kg (128 lb) with cartridge

Product Certifications

UL/cUL listed to UL 1950 and CSA C22.2 No. 950 (1995); complies with IEC 950/EN 60950 including A1, A2, A3, A4; FCC Class B certified, CISPR-22 level B, Product CDRH certified Class 1 Laser Product (safe for office/EDP use)

HP

LaserJet 8100 Series

Printers

Ordering Information

HP Part Number Description

Printer

C4214A	HP LaserJet 8100
C4215A	HP LaserJet 8100 N
C4216A	HP LaserJet 8100 DN

Supplies and Accessories

C4182X	Replacement HP UltraPrecise maximum-capacity toner cartridge (prints 20,000 pages, based on 5% average coverage)
C4780A	2 x 500-sheet input tray
C4781A	2,000-sheet input tray
C4782A	Auto-duplex unit for two-sided printing
C4779A	3,000-sheet stacker
C4788A	3,000-sheet stapler/stacker
C4783A	7-bin tabletop mailbox
C4784A	Stand for 7-bin mailbox
C4785A	8-bin mailbox
C4787A	5-bin mailbox with stapler
C3765B	Envelope feeder
C2985B	>2-GB disk drive
C4103A	HP Infrared Connect
H5494A	HP SupportPack for hardware services; 3-year, 4-hour, onsite support
C3914A	110V Maintenance Kit (required every 350,000 pages)

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 LaserJet 8100 N and 8100 DN)

Interfaces and Cables

C2946A	Parallel 3-meter cable A to C (standard on HP LaserJet 8100 only)
C2947A	Parallel 10-meter cable A to C

Memory

C4286A	2-MB Flash DIMM
C4287A	4-MB Flash DIMM
C4135A	4-MB EDO DIMM
C4136A	8-MB EDO DIMM
C4137A	16-MB EDO DIMM
C4140A	4-MB SDRAM DIMM
C4141A	8-MB SDRAM DIMM
C4142A	16-MB SDRAM DIMM
C4143A	32-MB SDRAM DIMM
C3913A	64-MB SDRAM DIMM

For more information, printer drivers and network printer management software, visit our HP LaserJet 8100 Series printer web site at:
www.hp.com/go/lj8100

HP Customer Care

HP LaserJet 8100 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 LaserJet 8100 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 LaserJet 8100 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.



The information in this document is subject to change without notice.

