HP LaserJet 4000 series printers.

Technical Data

The new standard for workgroup printing.

HP's commitment to practical, enabling innovation has made it the industry standard in laser printing for over 13 years. HP LaserJet 4000 series printers set yet another benchmark, affording you the latest in network printing technology backed by unparalleled quality, reliability and compatibility.

HP LaserJet 4000 series printers bring significant technology improvements to workgroup laser printing. From paper handling to print quality, HP has completely redesigned the best-selling HP LaserJet 5 printer based on customer needs. What you'll find is a superior network printing solution that includes industry-leading HP JetDirect 600N print servers and HP Web JetAdmin printer management software. All are part of a long tradition of expertly engineered hardcopy products from Hewlett-Packard that are designed to work together -- to give you the absolute best in network printing.

Spend less time on printer issues
• Easy installation, configuration and management
• Manual or automatic downloading of driver updates off the Internet
• Less frequent paper and toner restocking
• Fewer help desk calls thanks to intuitive control panel and operations

Get great-looking output, fast
• 1200-dpi quality without the usual speed, memory and network traffic penalties
• Increased data throughput and faster processing
• Prints on more paper sizes and the media users need

Lower cost of ownership
• More standard features right out of the box
• Lower printing cost per page
• Reduced power consumption and maintenance costs

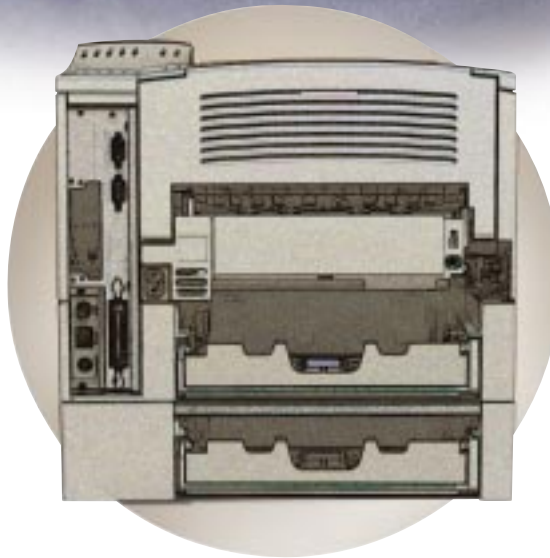# Engineered to bring out the best in your workgroup.

A two-line, backlit LCD displays easy-to-understand messages so users can troubleshoot simple problems (like Toner Low) without help desk intervention.

Straight-through paper path (available through the multipurpose tray), provides for curl-free printing and use of odd-size and heavier stocks.

HP LaserJet 4000 T and 4000 TN printers come standard with two 250-sheet trays to reduce tray-swapping hassles at the printer.

HP LaserJet 4000 series printers come with two EIO slots, a bidirectional IEEE 1284-compliant parallel interface, R232 serial (9-pin) interface, and an HP JetAssist Connector so you can easily add HP and third-party paper handling accessories.

Get more for your money right out of the box

Faster Performance
- New **17-page-per-minute (ppm) engine** and **100-MHz RISC processor** outperform other laser printers.
- **Instant-on fuser** gives 15-second startup, even from Powersave mode.
- Two 32-bit PCI-based **Enhanced I/O (EIO)** slots deliver faster throughput and greater flexibility.

Versatile Paper Handling
- **600-sheet standard capacity** reduces paper restocking.
- **Additional input sources** (one 100-sheet tray plus either one 500-sheet tray or two 250-sheet trays) let you print on multiple paper sizes without swapping trays.
- **Straight-through paper path** lets you use a wider variety of paper sizes and weights, and eliminates curling of heavier media and envelopes.

Superior Print Quality
- **HP FastRes 1200** (printer default mode) prints 1200-dpi quality at the same speed as 600-dpi and with standard memory.
- **HP ProRes 1200** gives you true 1200-dpi output.
- **HP UltraPrecise™ toner cartridge** uses 5-micron particles (less than one-half the size of most other brands) for more accurate dot placement, enhanced grayscale and photo-like quality.

Easier Integration and Management
- **HP Internet Installer** and **Oil Change for HP Customers** give you automatic access to the latest printer drivers.
- **HP PCL 5e, HP PCL 6** and **PostScript Level 2 Emulation** ensure compatibility with both PC and Macintosh files.

Expandable
- **HP JetAssist Connector** lets you easily add HP and third-party paper handling accessories.
- **HP JetSend** allows direct communication between printers, scanners and other information appliances without using the PC as the intermediary.
- New **DIMM memory** modules are smaller, more powerful and easier to add to the printer.

Customize your HP LaserJet 4000 series printer with these quality HP accessories.

Power Envelope Feeder. Handles up to 75 envelopes. Part # C4122A

Additional 500-sheet feeder with Universal Tray. Use alternative media without changing trays. Part #C4124A

>1-Gbyte hard disk and flash memory DIMMs provide expanded storage of forms, fonts and signatures. Part # C2985A

HP UltraPrecise™ Toner Cartridge. 10,000-page cartridge offers a lower cost-per-page and less frequent toner maintenance. Part #C4127X

HP JetDirect 600N Print Server. Connect printers to your network anywhere in the office and manage them remotely. Part # J3111A

Duplexer. Save paper and money by printing on both sides of a page. Part # C4123A

Specifications.

Speed and Throughput
Up to 17-page-per-minute rated engine speed for letter documents.
100-MHz RISC processor.
First page out in less than 15 seconds*.
Warm-up time less than 15 seconds with instant-on fuser.
HP Transmit Once for reduced network traffic (requires 8 Mbytes).

Resolution
300 dpi.
600 dpi.
HP FastRes 1200 (1200-dpi quality) at engine speed (HP PCL 6).
HP ProRes 1200 (true 1200 dpi) at one-half engine speed (HP PCL 6 and PostScript).
Resolution Enhancement technology (REt).
Device-best halftoning with up to 220 levels of gray.
HP UltraPrecise™ toner cartridge.
Prints 0.17" (4.2 mm) from edge of page (HP PCL 6).
Standard 10,000-page HP UltraPrecise toner cartridge.

Font Capabilities
110 scalable TrueType® fonts (80 built in, 30 via HP FontSmart; all PCL and PostScript accessible).
PostScript Level 2 Emulation.
HP FontSmart software provides easy-to-use font management capabilities.
Intellifont and TrueType rasterizers built in.

Macintosh

NetWare

Windows NT

OS/2 Warp

LAN Manager

UNIX

Windows 95, Windows for Workgroups

IPX/SPX
- Novell NetWare v3.11, 3.12, 4.0, 4.1
- Novell NDS and NDPS
- Microsoft Windows 95 Networking
- Microsoft Windows NT 3.5, 3.51, 4.0
- Novell IntranetWare

DLC/LLC
- IBM OS/2 Warp
- IBM LAN Server v1.3, 2.0, 3.0, 4.0
    - Microsoft LAN Manager v2.0c, 2.1, 2.2
    - Microsoft Windows for Workgroups v3.1, 3.11
    - Artisoft LANtastic* v7.0
    - Microsoft Windows NT v3.5, 3.51. 4.0

TCP/IP
- HP-UX v9.x, 10.x
- SunOS v4.1.3, 4.1.4
- Solaris v2.3, 2.4, 2.5.x
- IBM AIX v3.2.5 and later
- SCO UNIX® V/386* v3.2, 4.2, 5.0
- Microsoft Windows NT v.3.5, 3.51, 4.0
- lpd
- MPE-iX* 5.5

EtherTalk
- AppleTalk (System 7) (Ethernet cards only)
- Apple LocalTalk (HP J3111A only, System 7)

* Software is provided directly by the operating system vendor

Memory
HP LaserJet 4000 and 4000 T printers:
- 4 Mbytes standard RAM with Memory Enhancement technology (MEt).
- Three open 100-pin DIMM slots for memory expansion up to 100 Mbytes.

HP LaserJet 4000 N and 4000 TN printers:
- 8 Mbytes standard RAM with MEt.
- Two open 100-pin DIMM slots.

All HP LaserJet 4000 series printers:
- Optional 2- and 4-Mbyte Flash memory DIMMs for storage of forms, fonts and signatures.
- Optional >1-Gbyte EIO-based hard disk for mopying, forms, fonts and signatures.

Management
Enhanced HP JetAdmin printer management software provides easy printer setup, use and management.
HP Web JetAdmin printer management software available from HP's web site (www.hp.com/go/webjetadmin) for simple installation and management from a common web browser.
HP LaserJet Utility for Macintosh provides extensive real-time diagnostics, remote visibility and printer control for any HP LaserJet 4000 series printer connected via Macintosh.
Enhanced driver support of standard printer features for Microsoft® Windows® NT workstation 3.51/4.x, Windows® 95, Windows® 3.x, Macintosh, IBM OS/2 Warp and MS-DOS®.
Internet Installer can automatically update printer drivers.
All printer software and driver utilities ship on one CD-ROM.
ToolBox utilities for Novell and Microsoft Windows NT; Job Monitor for Novell NetWare.
SNMP- and industry-standard printer MIB compliant for network management compatibility.

Connectivity
HP LaserJet 4000 and 4000 T printers:
- Bidirectional IEEE 1284-compliant parallel interface.
- RS-232 serial (9-pin) interface.
- Two open EIO expansion slots for optional HP JetDirect 600N print servers for Ethernet 10BaseT, 10Base2, 100BaseTX, LocalTalk and Token Ring networks.

HP LaserJet 4000 N and 4000 TN printers:
- HP JetDirect 600N print server for Ethernet network environments.
- Bidirectional IEEE 1284-compliant parallel interface.
- RS-232 serial (9-pin) interface.
- One open EIO expansion slot for optional HP and third-party accessories.
- HP JetSend-enabled. HP has developed device-to-device communication technology that enables communication between printers, scanners and a broad range of other information appliances.
- Automatic switching between languages and ports.
- HP JetAdmin software supports the following network environments: Microsoft Windows NT, Microsoft Windows 95, IBM OS/2 Warp, Novell NetWare and UNIX (HP-UX and Solaris).
- HP Web JetAdmin supports the following network server environments: Microsoft Windows NT, IBM OS/2 Warp, HP-UX and Solaris.
- HP JetDirect 600N print servers support all major network operating systems and provide flash memory for future NOS upgrades.

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

Always the perfect printer for your workgroup.

Which HP LaserJet 4000 series printer do you need? Whether you select one with extra paper-handling capabilities, or one that's ready for your network, they all offer the best in printing technologies.

I need a great printer that I can expand with accessories.

HP LaserJet 4000

The HP LaserJet 4000 printer is a solid foundation for your printing needs.
- 17-ppm engine and 100-MHz RISC processor for faster printing.
- HP PCL 6 and PostScript Level 2 Emulation ensure compatibility.
- Two open EIO slots for HP JetDirect 600N print servers or third-party solutions.
- Improved drivers, with intuitive interfaces and automatic Internet update capability.
- HP JetAdmin and HP Web JetAdmin printer management software for easy installation and management.
- 600-sheet standard input capacity reduces restocking.
- 4 Mbytes memory and Memory Enhancement technology (MEt).
- New 10,000-page HP UltraPrecise™ toner cartridge reduces the cost of output.

I need versatile paper-handling capabilities for my workgroup.

HP LaserJet 4000 T

two 250-sheet paper trays

The HP LaserJet 4000 T printer is for workgroups that use multiple paper types.
- The same features as the HP LaserJet 4000 printer, but with two 250-sheet paper trays instead of one 500-sheet unit -- perfect for stocking different media types, sizes or letterhead without changing trays.

I need a network-ready printer.

HP LaserJet 4000 N

HP JetDirect 600N print server

8 Mbytes memory

The HP LaserJet 4000 N printer offers robust network performance.
- The same features as the HP LaserJet 4000 printer, but with 8 Mbytes memory and an HP JetDirect 600N print server for a fast and easy way to connect to Ethernet/802.3, 10Base2 (BNC), 10Base-T (RJ-45) and LocalTalk System 7 networks.

I need a network-ready printer with versatile paper-handling capabilities.

HP LaserJet 4000 TN

HP JetDirect 600N print server

two 250-sheet paper trays

8 Mbytes memory

The HP LaserJet 4000 TN printer is the total package for the most demanding workgroups.
- The same versatile paper-handling as the HP LaserJet 4000 T (two 250-sheet paper trays for different media and paper sizes) but with 8 Mbytes memory and an HP JetDirect 600N print server for a fast and easy way to connect to Ethernet/802.3, 10Base2 (BNC), 10Base-T (RJ-45) and LocalTalk System 7 networks.

Specifications.

Paper Handling	**All HP LaserJet 4000 series printers:**

Paper Handling

All HP LaserJet 4000 series printers:
- Up to five input bins with a total capacity of 1,100 sheets and 75 envelopes.
- Standard input capacity of 600 sheets (100-sheet multipurpose tray, and either a 500-sheet tray or two 250-sheet trays).
- Standard output capacity of 300 sheets (250 sheets face-down and 50 sheets face-up) with "output full" sensor.
- Straight-through paper path.
- HP JetAssist connector for easy installation of paper-handling accessories.
- Paper level indicators.
- Optional 500-sheet universal tray supports all sizes, A5 to legal.
- Optional duplex printing assembly for two-sided printing.
- Optional 75-envelope power feeder.

HP LaserJet 4000 and 4000 N printers:
- Tray 1 is a 100-sheet/10-envelope multipurpose tray for automatic and manual feeding of envelopes, labels, transparencies and other special media, 3 x 5 inch to legal size.
- Tray 2 is a 500-sheet input tray for letter, A4 and legal size.

HP LaserJet 4000 T and 4000 TN printers:
- Tray 1 is a 100-sheet/10-envelope multipurpose tray for automatic and manual feeding of envelopes, labels, transparencies and other special media, 3 x 5 inch to legal size.
- Trays 2 and 3 are 250-sheet input trays for letter, A4, legal, A5, B5-JIS, B5-ISO and executive size.

Printer Languages

HP PCL 6, HP PCL 5e and PostScript Level 2 Emulation with automatic language switching.

Paper

Copier, bond, special application and recycled papers. (Overhead transparencies and labels designed for laser printers using Tray #1.)
Tray 1 handles 60 to 198 g/m^2 (16 to 53 lb bond) stocks, and transparencies and labels designed for laser printers.
Tray 2 (and Tray #3 on HP LaserJet 4000 T and 4000 TN) handles 60 to 105 g/m^2 (16 to 28 lb) bond stocks.
Optional 500-sheet tray (Tray #3/#4) handles 60 to 105 g/m^2 (16 to 28 lb) bond stocks.
Optional envelope feeder and Tray 1 handle 75 to 105 g/m^2 (20 to 28 lb) bond envelopes.
Optional duplexer handles 60 to 105 g/m^2 (16 to 28 lb) bond stocks.

Paper Sizes

A4 210 x 297 mm (8.3 x 11.7 in) size, 202 x 289 mm (7.9 x 11.4 in) printable area.
A5 148 x 210 mm (5.8 x 8.3 in) size, 140 x 202 mm (5.5 x 7.9 in) printable area.
B5 (JIS) 182 x 257 mm (7.2 x 10.1 in) 174 x 249 mm (6.8 x 9.8 in) printable area
Letter 216 x 279 mm (8.5 x 11.0 in) size, 207 x 271 mm (8.2 x 10.7 in) printable area.
Legal 216 x 356 mm (8.5 x 14.0 in) size, 207 x 347 mm (8.2 x 13.7 in) printable area.
Executive 184 x 267 mm (7.25 x 10.5 in) size, 176 x 258 mm (6.9 x 10.2 in) printable area.

Envelope Sizes

#10 Regular 105 x 241 mm (4.125 x 9.5 in) size, 96 x 233 mm (3.8 x 9.2 in) printable area.
Monarch 98 x 191 mm (3.875 x 7.5 in) size, 90 x 182 mm (3.5 x 7.2 in) printable area.
DL 110 x 220 mm (4.3 x 8.7 in) size, 102 x 212 mm (4.0 x 8.3 in) printable area.
C5 162 x 229 mm (6.4 x 9.0 in) size, 154 x 221 mm (6.0 x 8.7 in) printable area.
B5 176 x 250 mm (6.9 x 9.8 in) size, 168 x 242 mm (6.6 x 9.5 in) printable area.

Print Orientation

Portrait, landscape and reverse landscape. Printer binding options: 2, 4, 9 pages per sheet.

Control Panel

Intuitive operation and complete, easy-to-under-stand messages.
Two-line, backlit LCD display and three LEDs.
Buttons: Go, Cancel Job, Menu, Item, Value, Select.
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 or Turkish.

Environmental Ranges

Temperature for printer and toner:
- Operating 10º to 32.5º C (50º to 91º F).
- Storage 0º to 35º C (32º to 95º F).

Humidity:
- Operating 20% to 80% RH.
- Storage 10% to 95% RH.

Acoustics:
- Operating position L<55 dB (A) printing, L<36 dB(A) standby (per ISO 9296, DIN 45635, T.19).
- Bystander 1m L<48 dB (A) printing, L<30 dB(A) standby (per ISO 7779, DIN 45635, T.19).
- Sound power 0 bels (A) Powersave L^{WAD}, 6.6 bels (A) printing at 17 ppm L^{WAD}, 6.2 bels (A) printing at 8 ppm L^{WAD}.

Power Requirements

Source: 100 to 127 volts (±10%) or 220 to 240 volts (±10%).
Printer's voltage ranges depends upon the country in which the printer is purchased.
Frequency: 50 or 60 Hz (±2 Hz).

Power Consumption:
- Printing: 330 watts.
- Standby: 18 watts.
- Powersave: 16 watts (EPA Energy Star).

Dimensions (H x W x D)

HP LaserJet 4000 and 4000 N printers:
- 346 x 390 x 493 mm (13.6 x 15.4 x 19.4 in).

HP LaserJet 4000 T and 4000 TN printers:
- 401 x 390 x 426 mm (15.8 x 15.4 x 16.8 in).

Weight

HP LaserJet 4000 and 4000 N printers:
- 18.2 kg (40.1 lb) without cartridge; 19.7 kg (43.4 lb) with cartridge.

HP LaserJet 4000 T and 4000 TN printers:
- 21.0 kg (46.3 lb) without cartridge; 22.5 kg (49.6 lb) with cartridge.

Product Certifications

UL and cUL listed to UL 1950/CSA 950; complies with IEC 950/EN 60950; meets Class B limits for FCC Part 15 and CISPR 22; product CDRH-certified Class 1 Laser Product (safe for office/EDP use).

Duty Cycle

Up to 65,000 pages per month.

Warranty

One-year warranty.

Ordering information.

Number	Description
Printers	
C4118A	HP LaserJet 4000 General Office printer
C4119A	HP LaserJet 4000 T Multi-tray General Office printer
C4120A	HP LaserJet 4000 N Office printer for Networks
C4121A	HP LaserJet 4000 TN Multi-tray Office printer for Networks
Supplies and Accessories	
C4122A	75-sheet Envelope Feeder
C4123A	Duplex Assembly for two-sided printing
C4124A	500-sheet Feeder with Universal Tray (A5 to Legal sizes)
C4125A	Replacement 500-sheet Univeral Tray (A5 to Legal sizes) for use in C4124A
C3122A	Replacement 500-sheet Tray (Letter, A4 and Legal sizes) for use in printers C4118A and C4120A
C4126A	Replacement 250-sheet Tray (A4, A5, B5-JIS, B5-ISO, Letter, Legal, Executive) for use in printers C4119A and C4121A
C4127X	10,000-page UltraPrecise toner cartridge–single unit
C4127A	6,000-page UltraPrecise toner cartridge–single unit
C2985A	>1-Gbyte hard disk drive
H5479A	HP SupportPak for hardware services; 3-year next-day, onsite support
HP JetDirect 600N Internal Print Servers	
J3110A	For Ethernet 10BaseT networks
J3111A	For Ethernet 10BaseT/10Base2 and LocalTalk networks
J3112A	For Token Ring networks
J3113A	For Ethernet 10/100BaseTX networks
Interface and Cables	
C2951A	Parallel (25-pin male to 36-pin male) 3 m/10 ft cable for HP Vectra, IBM PC/AT and compatibles
C2932A	Serial (9-pin female to 9-pin male) 3 m/10 ft cable for HP Vectra
C2933A	Serial (25-pin female to 9-pin male) 3 m/10 ft cable for IBM PC/AT and compatibles
C2809A	Serial (25-pin female to 9-pin male) cable adapter
92215S	Macintosh serial cable
92215N	Macintosh network
Memory	
C4286A	2-Mbyte Flash DIMM
C4287A	4-Mbyte Flash DIMM
C4135A	4-Mbyte EDO DIMM (bundled with printer)
C4136A	8-Mbyte EDO DIMM
C4137A	16-Mbyte EDO DIMM
C4140A	4-Mbyte SDRAM DIMM
C4141A	8-Mbyte SDRAM DIMM
C4142A	16-Mbyte SDRAM DIMM
C4143A	32-Mbyte SDRAM DIMM

For more information, printer drivers and
an interactive printer walkaround, visit our
HP LaserJet 4000 printer web site at
www.solutionjet.hp.com/lj4000

Information about HP products, plus software and driver distribution, is available through Hewlett-Packard's home page on the World Wide Web: www.hp.com

Hewlett-Packard peripherals, personal computers, supplies and accessories are available at authorized HP resellers worldwide. Call for the authorized HP reseller nearest you:

United States: 1-800-LASERJET (1-800-527-3753)
Canada: 1-800-387-3867
Asia Pacific: (852) 2599 7777
Australia/New Zealand: (61-3) 9272 2895
Europe/Africa/Middle East: (41) 22 780 8111
Japan: (03) 3331 6111
Latin America: (305) 267-4220 (Miami)
(525) 326-4044 (Mexico City)

If you have questions about HP LaserJet 4000 series printers, there are a number of places you can turn to for answers:
• The HP Customer Support Center for fast assistance by telephone: (208) 323-2551*.
• HP Automated Support Access Program (HP ASAP) provides answers and fax support for hardware and software information 24 hours a day: 1-800-333-1917*.
• HP Driver and Software Distribution for optional software solutions and printer drivers for most popular applications: (970) 339-7009*.
• The HP Peripherals Forum on CompuServe ("GO HPPER") provides software and driver distribution, and puts you in contact with other HP printer users who may be able to give online responses to technical questions.
• AppleLink's HP folder provides online product information and drivers.

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