

**HP****LaserJet 4050 Series****Printers****17-page-per-minute black and white network printers.**

## Redefining workgroup printing with innovative solutions.

The world's best-selling laser printer just got better. Introducing HP LaserJet 4050 Series printers—the replacements for HP LaserJet 4000 Series printers.

The HP LaserJet 4000 Series earned their status as the industry standard for black and white workgroup printing by offering the most performance for the money—right out of the box. Now we've added a number of powerful features to the next-generation HP LaserJet 4050 Series, creating an altogether new and improved benchmark against which all others will be judged.

HP LaserJet 4050 Series printers improve upon the traditional workgroup laser printer in three key areas: overall performance, versatility and total cost of ownership. Performance is boosted by the new 133-MHz microprocessor that comes standard in all models. And HP LaserJet 4050 Series printers feature twice the amount of

memory that was included in their predecessors.

What's more, they offer a versatile, expandable design to accommodate general office or specialized printing needs—both today and in the future. The upgraded security, management and convenience features of HP LaserJet 4050 Series printers deliver a new level of usability and manageability that was once available only with more expensive department printers.

The HP JetDirect Connectivity Card enables printing from a mix of PCs, UNIX® workstations and Apple Macintosh systems such as iMac, Power Mac G3 workstations and even legacy Apple workgroups with LocalTalk.

HP LaserJet 4050 Series printers also include award-winning service and support through HP Customer Care, and one feature you can't get anywhere else—legendary HP reliability.

### Great-looking output, even faster.

- HP ProRes 1200 gives you true 1200-dpi quality at full engine speed
- New 133-MHz RISC microprocessor for up to 40% faster processing
- Twice the amount of standard memory at no additional cost
- 10/100Base-TX JetDirect card (with N and TN) delivers increased network throughput and the reliability you expect from HP
- HP Transmit Once minimizes network traffic
- Dynamic RIP—once for faster processing of multiple original prints (mopies)
- Print up to 65,000 pages per month

### Versatile for today's business.

- NEW! Optional HP LaserJet Print-to-Mail Accessory lets you print, fold and seal\* billing statements, checks and other items in one easy step
- Network printer models provide walk-up wireless printing for mobile professionals
- Convenience features, such as Private Printing, offer more control over how and when confidential jobs are printed
- Print additional copies directly from the control panel using Quick Copy
- Frequently printed jobs, such as fax cover sheets, can be stored on the optional disk drive and printed via the control panel
- Expandable design offers the perfect printer platform for both general and specialized printing needs
- HP LaserJet 4050 USB-Mac provides USB, LocalTalk and serial connection for Mac users

### Lower total cost of ownership.

- HP TonerGauge technology monitors toner usage to help you minimize printer downtime and take the guesswork out of ordering printing supplies
- HP Web JetAdmin network peripheral management software makes it easy to install, configure and manage right from your desktop, saving time and IS dollars
- Expanded Control Panel Help assists with troubleshooting at the printer, reducing help desk calls
- A range of flexible service options and warranty packages is available to meet the needs of any business
- Instant-on fuser saves money with lower power consumption

\* Print-to-Mail media required to perform the sealing function

# HP LaserJet 4050 Series Printers

## The improved industry standard for workgroup printing.

### Easier printer management

- New HP TonerGauge and PaperGauge help maximize printer uptime by minimizing the guesswork involved in supplies management
- New Expanded Control Panel Help assists with troubleshooting at the printer
- **BEST IN CLASS!** HP Web JetAdmin software provides simple installation, configuration and management from a common web browser
- HP Internet Installer gives you automatic access to the latest printer drivers

### Sophisticated technologies

- **BEST IN CLASS!** Instant-on fuser provides first page out in less than 13 seconds from warm or cold start
- Fast IR receiver allows for wireless walk-up printing
- HP JetSend enables information appliances to communicate directly with each other without a PC or server
- Private Printing holds jobs until you enter your personal identification number 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

### Versatile paper handling

- **BEST IN CLASS!** Standard paper capacity is 600 sheets, meaning less restocking
- **BEST IN CLASS!** Straight-through paper path to prevent curling of envelopes and heavier media
- Additional input sources let you print on multiple paper sizes without swapping trays
- NEW! Optional HP LaserJet Print-to-Mail Accessory creates the first affordable mailing system for the desktop—visit [www.hp.com/go/print2mail](http://www.hp.com/go/print2mail) for more information

### Industry-leading reliability and award-winning service

- **BEST IN CLASS!** HP received an "A" rating from their customers (5th year in a row) in *PC Magazine's* 1999 Reader Service and Reliability Survey (*PC Magazine*, 7/99)



HP LaserJet 4050 Series printers build on one of the most celebrated, highly awarded printers of all time.



HP LJ 4000



HP LJ 4000



HP LJ 4000



HP LJ 4000



HP LJ 4000

"Hewlett-Packard's LaserJet 4000 won BYTE's Best of Show award today at COMDEX Fall '97. BYTE's awards recognize new products that are innovative, will have impact on the industry, and are way cool." *BYTE*, Virtual Press Release, 11/97

"For anyone needing a workgroup printer, the potent combination of speed and quality should make this LaserJet the first one to look at." *BYTE*, 2/98

"[This] workhorse laser printer with good speed and detailed output is a winner in its price category." *Windows Magazine*, 4/98

"Fast text and graphics speeds, outstanding text quality and extensive features keep it at the top . . ." *PC World*, 9/98

"The bottom line is that the HP LaserJet 4050 models, like their predecessors, deliver excellent image quality – you really cannot get better in this market ." *Better Buys for Business*, 1/99

## HP LaserJet 4050 Series Printers Accessories



The 75-sheet power envelope feeder automates the printing of envelopes.  
P/N: C4122A



The additional 500-sheet feeder with Universal Tray lets you use multiple paper types without changing trays.  
P/N: C4124A



The HP Fast IR (infrared) receiver lets mobile users enjoy wireless walk-up printing from laptops, palmtops, handheld scanners, even digital cameras.  
P/N: C4103A



HP UltraPrecise maximum-capacity toner cartridge provides 10,000 pages of optimum-quality output at just 1.26 cents per page (based on 5% average coverage).  
P/N: C4127X



HP JetDirect 600N (EIO) Internal Print Servers connect printers to your network anywhere in the office and enable remote management through HP Web JetAdmin.



Auto-duplex unit saves paper and money by allowing you to easily print on both sides of the page.  
P/N: C4123A



HP LaserJet Print-to-Mail Accessory eliminates the laborious folding, stuffing and sealing of billing statements, checks and other office mailings.  
P/N: C7833A

# HP LaserJet 4050 Series Printers Specifications

## Duty Cycle

- 65,000 pages per month

## Warranty

- 1-year return to HP/dealer
- Enhance/upgrade basic warranty with flexible options that include 1- to 5-year return-to-HP or onsite warranties

## Speed and Throughput

- 17 ppm
- 133-MHz RISC microprocessor
- Instant-on fuser provides first page out in less than 13 seconds from warm or cold start
- HP Transmit Once for reduced network traffic
- Maser (RIP once) in RAM enables mopying (multiple original prints) (16 MB minimum)

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

## Resolution

- 600 dpi
- HP FastRes 1200\*\* (1200-dpi-like quality at 17 ppm)
- HP ProRes 1200 (1200 x 1200 dpi at 17 ppm)
- Resolution Enhancement technology (REt)
- Improved Economode with better print quality and 50% savings over regular dpi selections

\*\*Default setting

## Paper Handling

### All HP LaserJet 4050 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 auto-duplex unit for two-sided printing
- Optional 75-envelope power feeder
- Optional HP LaserJet Print-to-Mail Accessory  
Visit [www.hp.com/go/print2mail](http://www.hp.com/go/print2mail) for more information

### HP LaserJet 4050, 4050N and 4050 USB-Mac 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 inches to legal size
- Tray 2 is a 500-sheet input tray for letter, A4 and legal sizes

### HP LaserJet 4050T and 4050TN 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 inches to legal size
- Trays 2 and 3 are 250-sheet input trays for letter, A4, legal, A5, B5-JIS, B5-ISO and executive sizes

## Media Sizes

- A4: 210 x 297 mm (8.27 x 11.7 in) size, 206 x 293 mm (8.1 x 11.53 in) printable area
- A5: 148 x 210 mm (5.8 x 8.27 in) size, 144 x 206 mm (5.66 x 8.1 in) printable area
- Letter: 216 x 279 mm (8.5 x 11 in) size, 212 x 275 mm (8.33 x 10.83 in) printable area

- Legal: 216 x 356 mm (8.5 x 14 in) size, 212 x 351 mm (8.33 x 13.83 in) printable area
- Executive: 184 x 267 mm (7.25 x 10.5 in) size, 171 x 258 mm (7.08 x 10.33 in) printable area
- Executive JIS
- Minimum size: 76 x 127 mm (3 x 5 in)
- Maximum size: 216 x 356 mm (8.5 x 14 in)

## Envelope Sizes

- #10 Regular: 241 x 105 mm (9.5 x 4.1 in) size, 237 x 100 mm (9.33 x 3.95 in) printable area
- Monarch: 191 x 98 mm (7.5 x 3.9 in) size, 186 x 94 mm (7.33 x 3.7 in) printable area
- DL: 220 x 110 mm (8.66 x 4.33 in) size, 216 x 106 mm (8.5 x 4.17 in) printable area
- C5: 229 x 162 mm (9.02 x 6.38 in) size, 225 x 158 mm (8.85 x 6.22 in) printable area
- B5: 250 x 176 mm (9.84 x 6.93 in) size, 246 x 172 mm (9.68 x 6.76 in) printable area

## Media Types

- Copier, bond, special application and recycled papers (overhead transparencies and labels designed for laser printers use Tray 1)
- Tray 1 handles 60 to 198 g/m<sup>2</sup> (16 to 53 lb) stocks, and transparencies and labels designed for laser printers
- Tray 2 (and Tray 3 on HP LaserJet 4050T and 4050TN) handles 60 to 105 g/m<sup>2</sup> (16 to 28 lb) stock
- Optional 500-sheet tray (Tray 3/4) handles 60 to 105 g/m<sup>2</sup> (16 to 28 lb) stock
- Optional envelope feeder and Tray 1 handle 75 to 105 g/m<sup>2</sup> (20 to 28 lb) envelopes
- Optional auto-duplex unit handles 60 to 105 g/m<sup>2</sup> (16 to 28 lb) stock

## Print Orientation

- Portrait, landscape and reverse landscape
- Binding options: 2, 4, 9, 16 pages per sheet
- Booklet printing with duplexor
- N-up printing

## Management

- Industry-leading plug and print solution for NT users that automates client installation; download at [www.hp.com/go/jetdirect](http://www.hp.com/go/jetdirect)
- HP Web JetAdmin printer management software available from HP's web site ([www.hp.com/go/webjetadmin](http://www.hp.com/go/webjetadmin)) for simple installation, configuration and management from a common web browser
- Internet software disk replication utility for distributing custom drivers
- HP TonerGauge technology includes a toner gauge and a paper gauge to help maximize printer uptime by minimizing the guesswork involved in supplies management
- HP LaserJet Utility for Macintosh provides extensive real-time diagnostics, remote visibility and printer control for any HP LaserJet 4050 Series printer connected via Macintosh
- Enhanced driver support of standard printer features for Microsoft Windows NT workstation 3.51/4.x, Windows 95, Windows 98, Windows 3.x, Macintosh, IBM OS/2 Warp, MS-DOS® and UNIX (HP-UX, Solaris SunOS)
- HP Internet Installer can automatically update any of the printer drivers in Windows 95, Windows 98 and Windows NT 4.x environments
- All printer software and driver utilities ship on one CD-ROM
- SNMP- and industry-standard printer MIB-compliant for network management compatibility

# HP LaserJet 4050 Series Printers Specifications

## Job Retention/Convenience Features (optional disk drive 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

## Network Connectivity

### HP LaserJet 4050 and 4050T printers:

- Bidirectional IEEE 1284-compliant parallel interface
- RS-232 serial (9-pin) interface
- Two open EIO expansion slots for optional HP JetDirect 600N (EIO) Internal Print Servers for Ethernet 10BaseT, 10Base2, 100BaseTX, LocalTalk and Token Ring networks
- Fast Infrared port for optional receiver

### HP LaserJet 4050 USB-Mac:

- HP JetDirect Connectivity Card for USB, serial and LocalTalk
- 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 LaserJet 4050N and 4050TN printers:

- HP JetDirect 600N (EIO) Internal Print Server for Ethernet 10/100 Base-TX Fast Ethernet network environments
- Fast Infrared port and receiver
- 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 intelligent communication between printers, scanners and a broad range of other information appliances
- Automatic switching between languages and ports
- HP Web JetAdmin requires installation on one of the following network servers: Microsoft Windows NT, IBM OS/2 Warp, HP-UX or Solaris
- HP JetDirect 600N (EIO) Internal Print Servers support all major network operating systems and provide flash memory for future upgrades

## Memory

### HP LaserJet 4050, 4050T and 4050 USB-Mac printers:

- 8-MB RAM with Memory Enhancement technology (MET)
- Three open DIMM slots for additional memory expansion up to 200 MB

### HP LaserJet 4050N and 4050TN printers:

- 16-MB RAM with MET
- Two open DIMM slots for additional memory expansion up to 200 MB

### All HP LaserJet 4050 Series printers:

- Upgradable to 200 MB of SDRAM DIMM
- Optional >2-GB EIO-based hard disk for mopying, forms, fonts and signatures, and job retention features

## Printer Languages

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

## Control Panel

- Intuitive operation and complete, easy-to-understand message
- Expanded Control Panel Help for context-based problem resolution
- 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

## Font Capabilities

- 110 scalable TrueType™ fonts (80 built-in, 30 via HP FontSmart; all PCL and PostScript accessible)
- HP FontSmart software for easy-to-use font management capabilities
- Intellifont and built-in TrueType rasterizers

## Environmental Ranges

### Temperature for printer and toner:

- Operating: 10° to 32° C (50° to 91° F)
- Storage: 0° to 35° C (32° to 95° F)

### Humidity:

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

### Acoustics:

- Operating position: L<54 dB (A) printing, L<36 dB(A) standby (per ISO 9296, DIN 45635, T.19)
- Bystander: 1m L<50 dB (A) printing, L<30 dB(A) standby (per ISO 7779, DIN 45635, T.19)
- Sound power: 0 bels inaudible (A) Powersave L<sup>WAD</sup>, 6.6 bels (A) printing at 17 ppm L<sup>WAD</sup>, 6.2 bels (A) printing at 8 ppm L<sup>WAD</sup>

## 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
- Frequency: 50 or 60 Hz (±2 Hz)

## Power Consumption

### HP LaserJet 4050, 4050T and 4050 USB-Mac printers:

- Printing: 317 watts
- Standby: 21 watts
- Powersave: 16 watts (EPA Energy Star®)

### HP LaserJet 4050N and 4050TN printers:

- Printing: 385 watts
- Standby: 26 watts
- Powersave: 19 watts (EPA Energy Star)

## Dimensions (H x W x D)

### HP LaserJet 4050, 4050N and 4050 USB-Mac printers:

- 343 x 390 x 493 mm (13.5 x 15.4 x 19.4 in)

### HP LaserJet 4050T and 4050TN printers:

- 385 x 390 x 426 mm (15.2 x 15.4 x 16.8 in)

## Weight

### HP LaserJet 4050 printer:

- 17 kg (37.5 lb)

### HP LaserJet 4050T printer:

- 18.9 kg (41.5 lb)

### HP LaserJet 4050N printer:

- 17.5 kg (38.5 lb)

### HP LaserJet 4050TN printer:

- 19.3 kg (42.5 lb)

### HP LaserJet 4050 USB-Mac printer:

- 17.5 kg (38.5 lb)

## 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); WHQL-Microsoft Windows; Novell-Y2K compliant; Euro Symbol (Ready), Y2K, Energy Star, Blue Angel

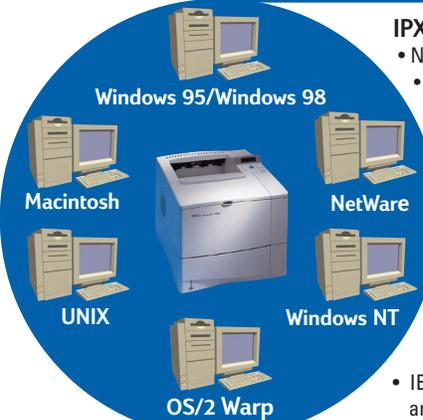
## HP LaserJet 4050 Series Printers

### How to choose the right HP LaserJet 4050 Series printer.

There are five models to choose from, each designed to meet the needs of a particular type of workgroup. The 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 LaserJet 4050</p>	17-ppm general office printer	8-MB RAM	<ul style="list-style-type: none"> <li>Fast Infrared port</li> </ul>	Tray 1: 100-sheet multipurpose input tray Tray 2: 500-sheet tray	<ul style="list-style-type: none"> <li>Auto-duplex unit</li> <li>Envelope feeder</li> <li>500-sheet feeder</li> <li>250- and 500-sheet replacement trays</li> <li>FIR Receiver</li> <li>HP JetDirect 600N (EIO) Internal Print Servers</li> <li>HP LaserJet Print-to-Mail Accessory</li> </ul>
 <p>HP LaserJet 4050T</p>	17-ppm general office printer <b>for workgroups that use multiple paper types</b>	8-MB RAM	<ul style="list-style-type: none"> <li>Fast Infrared port</li> </ul>	Tray 1: 100-sheet multipurpose input tray Tray 2: <b>250-sheet tray</b> Tray 3: <b>250-sheet tray</b>	<ul style="list-style-type: none"> <li>Auto-duplex unit</li> <li>Envelope feeder</li> <li>500-sheet replacement tray</li> <li>FIR Receiver</li> <li>HP JetDirect 600N (EIO) Internal Print Servers</li> <li>HP LaserJet Print-to-Mail Accessory</li> </ul>
 <p>HP LaserJet 4050N</p>	17-ppm <b>network-ready</b> general office printer	<b>16-MB RAM</b>	<ul style="list-style-type: none"> <li><b>HP JetDirect 600N (EIO) 10/100Base-TX Internal Print Server with RJ-45 connector</b></li> <li>Fast Infrared port</li> <li><b>Fast Infrared receiver</b></li> </ul>	Tray 1: 100-sheet multipurpose input tray Tray 2: 500-sheet tray	<ul style="list-style-type: none"> <li>Auto-duplex unit</li> <li>Envelope feeder</li> <li>500-sheet replacement tray</li> <li>HP JetDirect 600N (EIO) Internal Print Servers</li> <li>HP LaserJet Print-to-Mail Accessory</li> </ul>
 <p>HP LaserJet 4050TN</p>	17-ppm <b>network-ready</b> general office printer <b>for workgroups that use multiple paper types</b>	<b>16-MB RAM</b>	<ul style="list-style-type: none"> <li><b>HP JetDirect 600N (EIO) 10/100Base-TX Internal Print Server with RJ-45 connector</b></li> <li>Fast Infrared port</li> <li><b>Fast Infrared receiver</b></li> </ul>	Tray 1: 100-sheet multipurpose input tray Tray 2: <b>250-sheet tray</b> Tray 3: <b>250-sheet tray</b>	<ul style="list-style-type: none"> <li>Auto-duplex unit</li> <li>Envelope feeder</li> <li>500-sheet replacement tray</li> <li>HP JetDirect 600N (EIO) Internal Print Servers</li> <li>HP LaserJet Print-to-Mail Accessory</li> </ul>
 <p>HP LaserJet 4050 USB-Mac</p>	17-ppm general office printer	8-MB RAM	<ul style="list-style-type: none"> <li>Fast Infrared port</li> <li><b>HP JetDirect Connectivity Card for USB, serial and LocalTalk</b></li> </ul>	Tray 1: 100-sheet multipurpose input tray Tray 2: 500-sheet tray	<ul style="list-style-type: none"> <li>Auto-duplex unit</li> <li>Envelope feeder</li> <li>500-sheet feeder</li> <li>250- and 500-sheet replacement trays</li> <li>FIR Receiver</li> <li>HP JetDirect 600N (EIO) Internal Print Servers</li> <li>HP LaserJet Print-to-Mail Accessory</li> </ul>

### Connectivity Chart

	<b>IPX/SPX</b> <ul style="list-style-type: none"> <li>Novell NetWare v3.11, 3.12, 4.x, 5.0</li> <li>Novell NDS and NDPS</li> <li>Microsoft® Windows® 95/Windows 98 Networking</li> <li>Microsoft Windows NT® v3.51, 4.0</li> </ul>	<b>DLC/LLC</b> <ul style="list-style-type: none"> <li>IBM OS/2 Warp v3.0, 4.0</li> <li>Microsoft Windows NT v3.51, 4.0</li> <li>Artisoft LANtastic v7.0</li> </ul>
	<b>TCP/IP</b> <ul style="list-style-type: none"> <li>HP-UX v10.x, 11.x</li> <li>Sun Solaris v2.5x, 2.6</li> <li>IBM OS/2 Warp v3.0, 4.0</li> <li>IBM AIX v3.2.5 and later</li> <li>Microsoft Windows NT v3.51, 4.0</li> <li>Microsoft Windows 95/Windows 98 Networking</li> <li>lpd</li> <li>MPE-iX v5.5</li> <li>Novell NDPS</li> </ul>	<b>EtherTalk</b> <ul style="list-style-type: none"> <li>Apple system 7.0 and later (except J3112A Token Ring)</li> </ul> <b>LocalTalk</b> <ul style="list-style-type: none"> <li>Apple Macintosh OS v 7.51 or later</li> </ul>

**HP LaserJet 4050 Series Printers**
**Ordering Information**

HP Part Number	Description
<b>Printers</b>	
C4251A	HP LaserJet 4050
C4252A	HP LaserJet 4050T
C4253A	HP LaserJet 4050N
C4254A	HP LaserJet 4050TN
C7829B	HP LaserJet 4050 USB-Mac
<b>Service, Supplies and Accessories</b>	
C4122A	75-sheet envelope feeder
C4123A	Auto-duplex unit for two-sided printing
C4124A	500-sheet feeder with universal paper tray
C4125A	500-sheet universal replacement tray (x, y adjustable)
C4126A	250-sheet replacement tray (7 sizes)
C3122A	500-sheet standard replacement tray (letter, legal, A4)
C7833A	HP LaserJet Print-to-Mail Accessory
C4127X	10,000-page UltraPrecise maximum-capacity toner cartridge <sup>1</sup> (bundled with printer)
C4127A	6,000-page UltraPrecise toner cartridge <sup>1</sup>
C2985B	>2-GB hard disk drive
C4103A	Fast Infrared receiver
C7851A	Consumables maintenance kit (110V)
H2664E	HP SupportPack for hardware services; 1-year next-day onsite support
H2665E	HP SupportPack for hardware services; 2-year next-day onsite support
H5479A	HP SupportPack for hardware services; 3-year next-day onsite support
H2668E	HP SupportPack for hardware services; 4-year next-day onsite support
H2669E	HP SupportPack for hardware services; 5-year next-day onsite support
H2656E	HP SupportPack for hardware services; 2-year return-to-HP support
H2657E	HP SupportPack for hardware services; 3-year return-to-HP support
H2658E	HP SupportPack for hardware services; 4-year return-to-HP support
H2659E	HP SupportPack for hardware services; 5-year return-to-HP support
H3700	Installation of consumables maintenance kit
<b>HP JetDirect 600N Internal Print Servers</b>	
J3110A	For Ethernet 10BaseT networks
J3111A	For Ethernet 10BaseT/10Base2 and LocalTalk networks
J3112A	For Token Ring networks
J3113A	For Ethernet 10/100Base-TX networks (bundled with N and TN models)
J4135A	USB/serial/Local Talk
<b>Interface and Cables</b>	
C2950A	2 m/7 ft IEEE A to B parallel cable
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 (9-pin female to 9-pin male) 3 m/10 ft cable for HP Vectra, IBM PC/AT and compatibles
C2809A	Serial (25-pin female to 9-pin male) cable adapter
92215S	Macintosh serial cable
92215N	Macintosh network
<b>Memory</b>	
C4286A	2-MB Flash DIMM
C4287A	4-MB Flash DIMM
C4135A	4-MB EDO DIMM (bundled with printer)
C4136A	8-MB EDO DIMM
C4137A	16-MB EDO DIMM
C7842A	8-MB SDRAM DIMM
C7843A	16-MB SDRAM DIMM
C7845A	32-MB SDRAM DIMM
C7846A	64-MB SDRAM DIMM

<sup>1</sup> Based on 5% average coverage

**HP Customer Care**

HP LaserJet 4050 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 4050 Series printers, there are a number of places you can turn for answers:

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

**For an HP LaserJet 4050 print sample:**  
United States: (800) LASERJET (527-3753)

<sup>††</sup>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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