



HP LaserJet P4510 Printer series

P4515n • P4515tn • P4515x • P4515xm



Enhance workgroup productivity with HP's fastest single-function black-and-white printer.

Lightning-fast performer

Experience legendary reliability and consistent print quality at incredible speeds of up to 62 pages per minute (ppm), letter (60 ppm, A4)—new HP toner makes it possible. Start fast and finish sooner: Time To Completion (TTC) of a typical office print job can be nearly twice as fast with Instant-on Technology.¹ Built-in Gigabit networking lets you share the printer across large workgroups with ease and efficiency.

Secure, robust productivity

In addition to supporting standard security protocols and optional third-party security solutions, the printer includes industry-leading security capabilities. Get fast, secure performance across your network with advanced IPsec encryption, prevent unauthorized access with management features like 802.1X authentication and password protection, and guard sensitive information with support for private printing. Just press the **Folder** button to view your stored jobs, enter a PIN, and print your documents.

¹ Instant-on Technology uses cutting-edge fuser technology to produce the first page faster when a printer is coming out of PowerSave mode so your print job is done sooner. An InfoTrends study shows the typical office print job is three to five pages long: www.infotrends.com/public/Content/Presentations/officeprinteruse.pdf. Time To Completion of a typical office print job tested on HP and select competing products. Actual results may vary.

² Find more information and download HP Web Jetadmin free at www.hp.com/go/webjetadmin.

³ To download the free HP Universal Print Driver Series for Windows, visit www.hp.com/go/upd.

Flexible and expandable

Upgrade your printer as business needs change. This versatile printer accommodates a variety of media types and sizes, and lets you expand paper handling and finishing capabilities with an optional two-sided printing accessory, additional 500-sheet or 1,500-sheet input trays, an envelope feeder, a 5-bin mailbox, stacker, or stapler/stacker accessory. You can also select either regular or high-capacity print cartridges to meet your specific business needs.

Improve performance and increase storage capacity with an optional EIO hard disk. The printer also supports optional Jetdirect and third-party solutions via the EIO slot and Host USB 2.0-like ports.

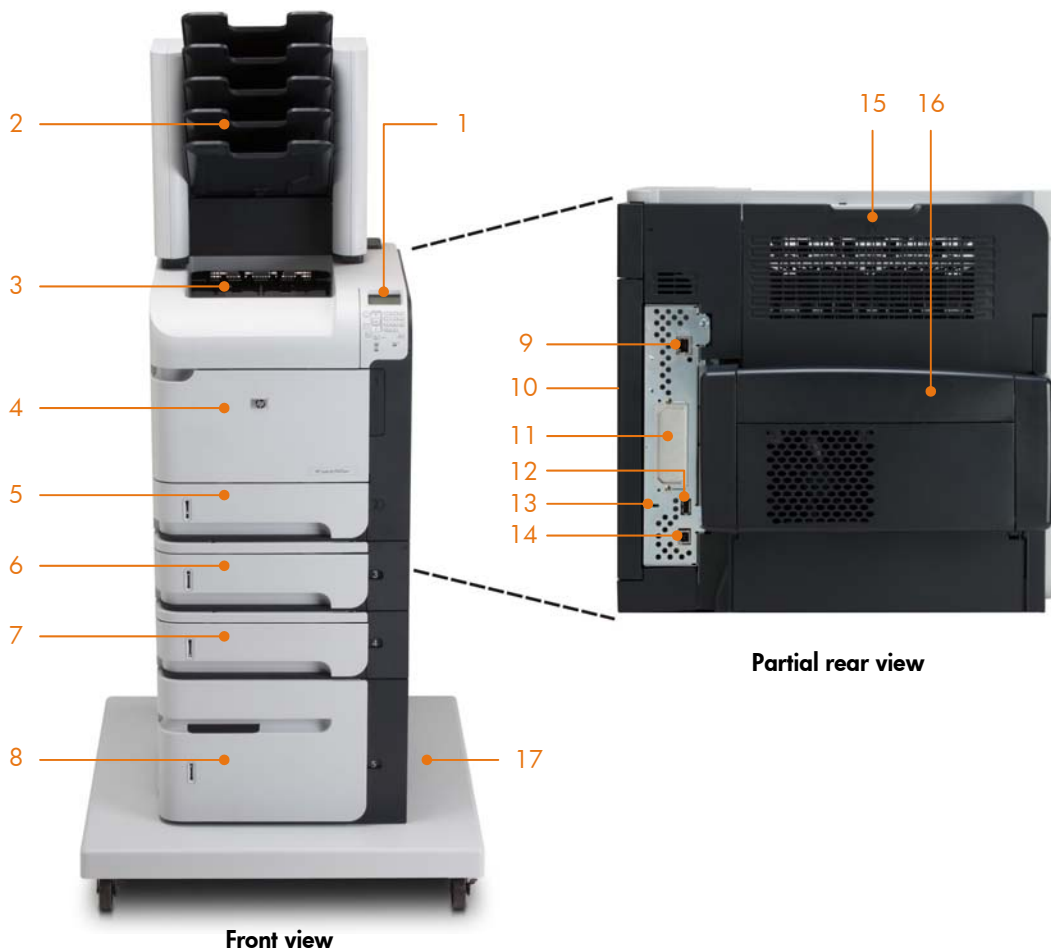
Hassle-free management

Simplify fleet management tasks and reduce IT costs with HP Web Jetadmin.² This powerful tool makes it easy to install, monitor, secure, and troubleshoot a wide range of network-connected peripherals from an intuitive browser interface. Use a single driver—the HP Universal Print Driver communicates directly with each HP device on your network and customizes the user interface to show the available features.³

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- 1 Control panel simultaneously displays up to four lines of text and animated graphics and features a built-in 10-key pad
- 2 500-sheet 5-bin mailbox with sorting capability
- 3 500-sheet top output bin
- 4 Adjustable 100-sheet multipurpose input tray 1 for special media
- 5 500-sheet input tray 2
- 6 500-sheet input tray 3
- 7 Optional 500-sheet input tray 4
- 8 Optional 1,500-sheet high capacity input tray
- 9 HP Jetdirect Gigabit Ethernet embedded print server with IPSec
- 10 A powerful 540 MHz processor and 128 MB of standard printing memory, expandable up to 640 MB
- 11 EIO expansion slot supports an optional parallel card, hard disk, or Jetdirect print server
- 12 One external and two internal Host USB 2.0-like ports for third-party connections
- 13 Security lock slot
- 14 Hi-Speed USB 2.0 port for direct connection to printer
- 15 100-sheet rear output bin
- 16 Duplexer for automatic two-sided printing
- 17 Optional printer stand enables printer mobility

HP LaserJet P4515xm Printer shown with optional 500-sheet input tray 4, optional 1,500-sheet high capacity input tray, and optional printer stand



Series at a glance



	P4515n	P4515tn	P4515x	P4515xm
Part number	CB514A	CB515A	CB516A	CB517A
HP Jetdirect Gigabit Ethernet embedded print server with IPSec	√	√	√	√
100-sheet multipurpose tray 1	√	√	√	√
500-sheet tray 2	√	√	√	√
500-sheet tray 3	Optional	√	√	√
Automatic two-sided printing	Optional	Optional	√	√
500-sheet 5-bin mailbox	Optional	Optional	Optional	√
Memory	128 MB	128 MB	128 MB	128 MB
Recommended monthly print volume	5,000 to 20,000 pages	5,000 to 20,000 pages	5,000 to 20,000 pages	5,000 to 20,000 pages
Duty cycle	Up to 275,000 pages	Up to 275,000 pages	Up to 275,000 pages	Up to 275,000 pages

Easy to use and maintain, this printer is also easy on the environment.

Saves resources

Be ready to print in seconds: Instant-on Technology in HP LaserJet devices provides up to 50 percent energy savings over traditional fusing while providing a first page-out in seconds—nearly twice as fast as competitive products without this technology. The use of Instant-on Technology has reduced emissions by 4.1 million tons of CO₂ to date—the equivalent of removing 870,000 cars from the road for one year.⁴

Cut paper consumption in half and save money with automatic two-sided printing.⁵

Recycle cartridges with HP Planet Partners. This industry-leading program gives companies around the world an easy and environmentally conscious way to return hardware and print supplies for recycling after use.

Get the most out of your printer with HP accessories, supplies, and services.



CB524A

Make business mailing simple and efficient with the HP LaserJet 75-sheet Envelope Feeder.



CB522A

Enjoy hassle-free, unattended printing with HP LaserJet 500-sheet Stapler/Stacker.



CB520A

Find your printed output quickly and easily with the HP LaserJet 500-sheet 5-Bin Mailbox.

Print cartridges with HP Smart Printing Technology⁶

HP LaserJet Black Print Cartridge (10,000 pages) CC364A
HP LaserJet Black Print Cartridge (24,000 pages) CC364X

Paper handling

HP LaserJet 500-sheet Input Tray and Feeder CB518A
HP LaserJet 1,500-sheet High Capacity Input Tray CB523A
HP LaserJet 75-sheet Envelope Feeder CB524A
HP LaserJet Automatic Duplexer for Two-sided Printing CB519A
HP LaserJet 500-sheet 5-Bin Mailbox CB520A
HP LaserJet 500-sheet Stacker CB521A
HP LaserJet 500-sheet Stapler/Stacker CB522A

Accessories and supplies

HP LaserJet Printer Stand CB525A
HP LaserJet 1,000 Staple Cartridge Pack (3 cartridges by 1,000) Q3216A
HP LaserJet Printer Maintenance Kit (110V) CB388A
HP LaserJet Printer Maintenance Kit (220V) CB389A

Memory/storage

HP 64 MB DDR2 144-pin x32 CC413A
HP 128 MB DDR2 144-pin x32 CC414A
HP 256 MB DDR2 144-pin x32 CC415A
HP 512 MB DDR2 144-pin x32 CE483A
HP High Performance Serial ATA Hard Disk J7989G

Connectivity

HP Jetdirect 620n Fast Ethernet Print Server J7934G
HP Jetdirect 630n IPv6 Gigabit Ethernet Print Server J7997G
HP Jetdirect 635n IPv6/IPSec Internal Print Server J7961G
HP Jetdirect 690n Wireless Print Server J8007G
HP Jetdirect en3700 Fast Ethernet Print Server J7942G
HP Jetdirect en1700 IPv4/IPv6 Print Server J7988G
HP Jetdirect ew2400 802.11g Wireless Print Server J7951G
HP 1284B Parallel Card J7972G

For more information, visit www.hp.com/go/jetdirect

Service and support

HP 3-year Next Business Day Onsite Response UJ516E
HP 3-year Same Day (4-hour) Onsite Response, Business Hours UJ521E
HP 3-year Same Day (4-hour) Onsite Response, Extended Hours UJ522E
HP Installation Service with Network Configuration UC742E

For more information, visit www.hp.com/services/printer

Paper

North America: www.hp.com/go/paper

Europe: www.hp.com/go/learnaboutsupplies

Asia Pacific: www.hp.com/apac/printingsupplies

Latin America: contact HP via phone:

USA: 1-800-477-5010, Europe: +800 7644 7644,

Asia: 65-6253-8500, Australia/New Zealand: 61-2997-2299LAR,

Brasil: sac 0800 70 300 70

Solutions

www.hp.com/go/gsc

HP Support Services

Minimize the cost of downtime

Because printer downtime can have serious business consequences, HP provides high-quality services that extend beyond the standard warranty and help you avoid unbudgeted repair costs.

Benefits include reduced printing and infrastructure costs, maximized uptime, expert technical phone support and delivery services, and predictable and consistent service delivery across multiple locations.

Choose:

- **Installation Service with Network Configuration:** expert assembly of HP accessories, hardware verification, network configuration, and basic administrator familiarization
- **Same Day Onsite Service:** technician arrives at your site within four hours after service call is received, if this time falls within the coverage window
- **Next Day Onsite Service:** technician-delivered onsite service the next business day after the service call

Any of the above options can be purchased as:

- **HP Care Pack Services:** easy-to-buy, easy-to-use support packages
- **HP Contractual Services:** a comprehensive portfolio for maintaining maximum IT availability

HP also offers **Managed Print Services:** a solution scalable from imaging and printing devices and toner cartridges, to installation, management, maintenance, and support

For more information visit: www.hp.com/go/printservices.

⁴ The tons of CO₂ avoided is based on power plant emissions that otherwise would occur to generate the electricity saved; cars removed is based on annual emissions from cars burning gasoline.

⁵ Two-sided printing is included with the HP LaserJet P4515x Printer and HP LaserJet P4515xm Printer and can be added to the HP LaserJet P4515n Printer and HP LaserJet P4515tn Printer by adding the optional HP LaserJet Automatic Duplexer for two-sided printing.

⁶ Declared yield values for replacement cartridges in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit www.hp.com/go/learnaboutsupplies.

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Technical specifications	HP LaserJet P4515n Printer (CB514A)	HP LaserJet P4515m Printer (CB515A)	HP LaserJet P4515x Printer (CB516A)	HP LaserJet P4515xm Printer (CB517A) ⁷
Print speed⁸	Up to 62 ppm, letter; up to 60 ppm, A4			
Document delivery speed	First page out: as fast as 8.5 seconds from Ready mode; Time To Completion for a typical office print job: as fast as 15.5 seconds, letter (as fast as 16 seconds, A4) ⁹			
Print resolution	UP to 1200 by 1200 dpi; HP REt, HP 300 dpi, HP 600 dpi, HP FastRes 1200, HP ProRes 1200			
Processor	540 MHz			
Memory	128 MB, expandable to 640 MB via one open 144-pin 32 bit DDR2 DIMM slot			
Durability ratings	Recommended monthly volume: 5,000 to 20,000 pages; ¹⁰ Duty cycle: up to 275,000 pages ¹¹			
Paper				
Input	100-sheet multipurpose tray 1, 500-sheet tray 2	100-sheet multipurpose tray 1, 500-sheet tray 2, 500-sheet tray 3		
Output	100-sheet rear output bin, 500-sheet top output bin			100-sheet rear output bin, 500-sheet top output bin, 500-sheet 5-bin mailbox
Two-sided printing	Manual (optional accessory available for automatic two-sided printing)		Automatic	
Sizes	Multipurpose tray 1: letter, legal, executive, statement, 8.5 by 13.0 in; A4, A5, B5 (JIS), double postcard (JIS), 16K, executive (JIS), envelope (Com 10, Monarch No. 7 3/4, DL ISO, C5 ISO, B5 ISO); custom: 3.0 by 5.0 in (76 by 127 mm) to 8.5 by 14.0 in (216 by 356 mm) Input trays 2 and 3: letter, legal, executive, statement, 8.5 by 13.0 in; A4, A5, B5 (JIS), 16K, executive (JIS); custom: 5.8 by 8.3 in (148 by 210 mm) to 8.5 by 14.0 in (216 by 356 mm) Automatic duplexer for two-sided printing: letter, legal, executive; A4, A5, B5 (JIS), executive (JIS), 16K; custom: 5.8 by 8.3 in (148 by 210 mm) to 8.5 by 14.0 in (216 by 356 mm) 500-sheet 5-bin mailbox: letter, legal, executive, statement, 8.5 by 13.0 in; A4, A5, B5 (JIS), 16K, executive (JIS); custom: 5.8 by 8.3 in (148 by 210 mm) to 8.5 by 14.0 in (216 by 356 mm)			
Weights	Multipurpose tray 1: 16 to 53 lb (60 to 200 g/m ²) Input trays 2 and 3, optional 500-sheet feeder, optional high-capacity input tray, automatic duplexer for two-sided printing: 16 to 32 lb (60 to 120 g/m ²) Optional envelope feeder: 20 to 28 lb (75 to 105 g/m ²)			
Types	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough), envelopes, labels, cardstock, transparencies, user-defined			
Connectivity				
Interfaces	1 Hi-Speed USB 2.0, 1 EIO slot, 1 external and 2 internal Host USB 2.0-like ports for third-party connection, HP Jetdirect Gigabit Ethernet embedded print server			
Languages	HP PCL 6, HP PCL 5e, HP postscript level 3 emulation, direct PDF (v1.4) printing (192 MB printer memory recommended)			
Fonts	80 HP font set (plus Greek, Hebrew, Cyrillic, Arabic)			
Client operating systems	Windows® 2000; Windows XP® Home; Windows XP Professional; Windows Server 2003; Certified for Windows Vista®; Mac OS X v10.2.8, v10.3, v10.4, v10.5, and later			
Network operating systems	Via an HP Jetdirect print server: Microsoft Windows 2000, Server 2003, XP, Vista, 2003 64-bit, XP 64-bit, Vista 64-bit (For Microsoft IPv6 compatible with Windows 2003, XP, and Vista); Novell 5.1 and later; Mac OS X v10.2.8, v10.3, v10.4, v10.5, and later; Red Hat Linux 7.x and later; SuSE Linux 8.x and later; HP-UX 10.20, 11.x, 11.i; Solaris 2.5 and later (SPARC systems only); IBM AIX 3.2.5 and later 1; MPE-iX; Citrix MetaFrame Server; Windows Terminal Services			
Network protocols	Supported via an HP Jetdirect print server: IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 and later), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, Port 9100, LPD, IPP, Secure-IPP, WS Discovery, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, TFTP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print; Other: IPX/SPX, AppleTalk, NetWare NDS, Bindery, NDPS, iPrint			
Security	Management security: SNMPv3, SSL/TLS (HTTPS), 802.1X authentication (EAP-PEAP, EAP-TLS), IPsec/Firewall with Kerberos, Certificate, and PreShared Key Authentication; Wireless network security (Requires HP Jetdirect 690n Wireless Print Server): 802.1X (EAP-PEAP, EAP-TLS), WPA, WPA2 authentication, AES, TKIP, WEP (40/64- and 128-bit) encryption			
Dimensions (w by d by h)	16.5 by 17.0 by 15.5 in (419 by 431 by 393 mm)	16.5 by 21.5 by 15.5 in (419 by 546 by 393 mm)	16.5 by 25.5 by 15.5 in (419 by 648 by 393 mm)	
Weight (includes print cartridge)	58.56 lb (26.56 kg)	73.22 lb (33.21 kg)	79.06 lb (35.86 kg)	
What's in the box	Printer, right-angled power cord, control panel overlay, software and documentation on CD-ROM, print cartridge, Getting Started Guide, support flyer			
Also includes		500-sheet input tray 3	500-sheet input tray 3, automatic duplexer for two-sided printing	500-sheet input tray 3, automatic duplexer for two-sided printing, 500-sheet 5-bin mailbox
Warranty	One-year, return to HP authorized service center, limited warranty			
Environmental ranges	Recommended temperature: 50 to 90 degrees F (10 to 32 degrees C) Storage temperature: 32 to 95 degrees F (0 to 35 degrees C) Recommended relative humidity: 10 to 80 percent Storage relative humidity: 10 to 95 percent Altitude: Up to 10,000 ft (3,100 m)		Typical Electricity Consumption (TEC): 5.049 kWh/Week ENERGY STAR® qualified models, see www.hp.com/go/energystar	
Acoustics¹²	Sound power: Active: 7.4 B(A) Ready: 4.8 B(A) Bystander sound pressure: Active: 60 dB(A) Standby: 31 dB(A)	Safety: IEC 60950-1 (International), EN 60950-1+A11 (EU), IEC 60825-1+A1+A2, UL/cUL Listed (US/Canada), GS license (Europe), EN 60825-1+A1+A2 (Class 1 Laser/LED Device) GB4943-2001, Low Voltage Directive 2006/95/EC with CE Marking (Europe); other safety approvals as required by individual countries		
Power specifications	Required input voltage: 100 to 127 V (±10 percent), 50/60 Hz (±3 Hz) 220 to 240 V (±10 percent), 50/60 Hz (±3 Hz) Power consumption ¹³ : Active: 910 watts Ready: 20 watts	EMC: CISPR 22: 2005/EN 55022: 2006 Class B, EN 61000-3-2: 2000+A2, EN 61000-3-3: 1995+A1, EN 55024: 1998+A1+A2, FCC Title 47 CFR, Part 15 Class B (USA), ICES-003, Issue 4, (Canada), GB9254-1998, EMC Directive 2004/108/EC with CE Marking (Europe), other EMC approvals as required by individual countries		
			HP SureSupply enabled. To learn more, visit www.hp.com/learn/suresupply	

⁷ HP LaserJet P4515xm Printer available in Europe, Middle East, and Africa only.

⁸ Exact speed varies depending on system configuration, software application, driver, and document complexity.

⁹ An InfoTrends study shows the typical office print job is three to five pages long: www.infotrends.com/public/Content/Presentations/officeprinteruse.pdf. Time To Completion of a typical office print job tested on HP and select competing products. Actual results may vary.

¹⁰ HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.

¹¹ Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs.

¹² Measured per ISO 7779 and declared per ISO 9296; values subject to change. For current information see www.hp.com/support. Configuration tested: LaserJet P4515x, printing on A4 paper at 62 ppm.

¹³ Values subject to change. See www.hp.com/support for current information. Power numbers are the highest values measured using all standard voltages.



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