



## HP LaserJet P4515 Printer series

P4515n • P4515tn • P4515x



### 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)—the latest advancements in HP toner technology make 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.<sup>1</sup> Built-in Gigabit networking lets you share the printer across large workgroups with ease.

#### 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.

#### 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.<sup>2</sup> 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.<sup>3</sup>

<sup>1</sup> Instant-on Technology uses cutting-edge fuser technology to produce the first page faster when a printer is coming out of low power 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](http://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.

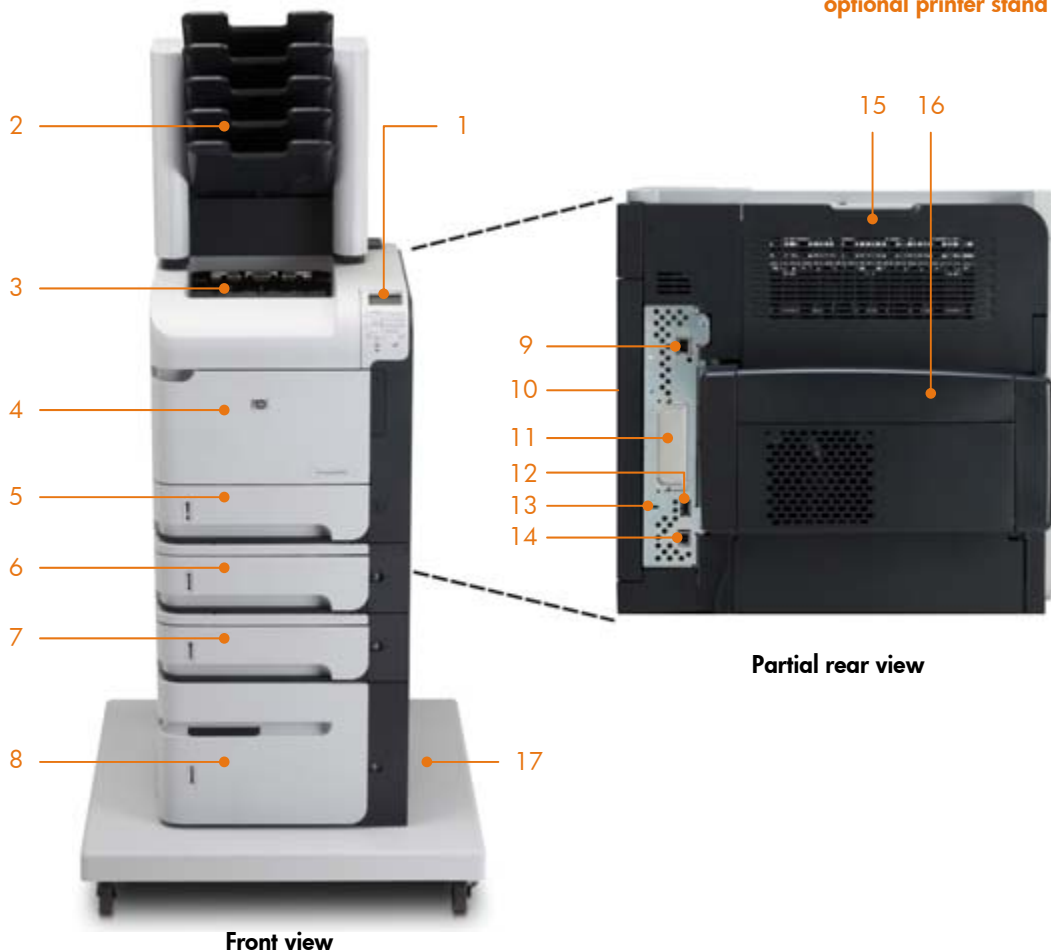
<sup>2</sup> Find more information and download HP Web Jetadmin free at [www.hp.com/go/webjetadmin](http://www.hp.com/go/webjetadmin).

<sup>3</sup> To download the free HP Universal Print Driver Series for Windows, visit [www.hp.com/go/upd](http://www.hp.com/go/upd).

# HP LaserJet P4515 Printer series

- 1 Control panel simultaneously displays up to four lines of text and animated graphics and features a built-in 10-key pad
- 2 Optional 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 provides simple connections for direct printing
- 15 100-sheet rear output bin
- 16 Duplexer for automatic two-sided printing
- 17 Optional printer stand enables printer mobility

HP LaserJet P4515x Printer shown with optional 500-sheet 5-bin mailbox, 500-sheet input tray 4, optional 1,500-sheet high capacity input tray, and optional printer stand



## Series at a glance



	P4515n	P4515tn	P4515x
<b>Part number</b>	CB514A	CB515A	CB516A
<b>HP Jetdirect Gigabit Ethernet embedded print server with IPSec</b>	✓	✓	✓
<b>100-sheet multipurpose tray 1</b>	✓	✓	✓
<b>500-sheet tray 2</b>	✓	✓	✓
<b>500-sheet tray 3</b>	Optional	✓	✓
<b>Automatic two-sided printing</b>	Optional	Optional	✓
<b>Memory</b>	128 MB	128 MB	128 MB
<b>Recommended monthly print volume</b>	5,000 to 20,000 pages	5,000 to 20,000 pages	5,000 to 20,000 pages
<b>Duty cycle</b>	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 CO<sub>2</sub> to date—the equivalent of removing 870,000 cars from the road for one year.<sup>4</sup>

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

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 Technology<sup>6</sup>

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](http://www.hp.com/go/jetdirect)

### Service and support

HP 3-year, Next Business Day Onsite Service	UJ516E
HP 3-year, 4-hour, 13x5 Same Day Onsite Service	UJ522E
HP Onsite Installation and Network Configuration	UC742E
HP Maintenance Kit Replacement Service, Fuser	UJ986E
HP 1-year, Post-warranty, Next Business Day Onsite Service	UJ525PE
HP 1-year, Post-warranty, 4-hour, 13x5 Same Day Onsite Service	UJ527PE
HP 1-year, Post-warranty Service, Phone and Online Assistance	HC128PE

### Paper

[www.hp.com/go/paper](http://www.hp.com/go/paper)

### Solutions

[www.hp.com/go/gsc](http://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](http://www.hp.com/go/printservices).

<sup>4</sup> The tons of CO<sub>2</sub> 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.

<sup>5</sup> Two-sided printing is included with the HP LaserJet P4515x 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.

<sup>6</sup> Declared yield values 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/learnaboutequipment](http://www.hp.com/go/learnaboutequipment).

# HP LaserJet P4515 Printer series

Technical specifications	HP LaserJet P4515n Printer (CB514A)	HP LaserJet P4515m Printer (CB515A)	HP LaserJet P4515x Printer (CB516A)
<b>Print speed<sup>7</sup></b>	Up to 62 ppm, letter		
<b>Document delivery speed</b>	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 <sup>8</sup>		
<b>Print resolution</b>	UP to 1200 by 1200 dpi; HP RET, HP 300 dpi, HP 600 dpi, HP FastRes 1200, HP ProRes 1200		
<b>Processor</b>	540 MHz		
<b>Memory</b>	128 MB, expandable to 640 MB via one open 144-pin 32 bit DDR2 DIMM slot		
<b>Durability ratings</b>	Recommended monthly volume: 5,000 to 20,000 pages, <sup>9</sup> Duty cycle: up to 275,000 pages <sup>10</sup>		
<b>Paper</b>			
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		
<b>Two-sided printing</b>	Manual (optional accessory available for automatic two-sided printing)	Automatic	
<b>Sizes</b>	Multipurpose tray 1: letter, legal, executive, statement, 8.5 by 13.0 in, envelope (Com 10, Monarch No. 7 3/4); custom: 3.0 by 5.0 in to 8.5 by 14.0 in Input trays 2 and 3: letter, legal, executive, statement, 8.5 by 13.0 in; custom: 5.8 by 8.3 in to 8.5 by 14.0 in Automatic duplexer for two-sided printing: letter, legal, executive; custom: 5.8 by 8.3 in to 8.5 by 14.0 in Optional 500-sheet 5-bin mailbox: letter, legal, executive, statement, 8.5 by 13.0 in; custom: 5.8 by 8.3 in to 8.5 by 14.0 in		
<b>Weights</b>	Multipurpose tray 1: 16 to 53 lb Input trays 2 and 3, optional 500-sheet feeder, optional high-capacity input tray, automatic duplexer for two-sided printing: 16 to 32 lb Optional envelope feeder: 20 to 28 lb		
<b>Types</b>	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough, light), envelopes, labels, cardstock, transparencies, user-defined		
<b>Connectivity</b>			
<b>Interfaces</b>	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		
<b>Languages</b>	HP PCL 6, HP PCL 5e, HP postscript level 3 emulation, direct PDF (v1.4) printing (192 MB printer memory recommended)		
<b>Fonts</b>	80 HP font set (plus Greek, Hebrew, Cyrillic, Arabic)		
<b>Client operating systems</b>	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		
<b>Network operating systems</b>	Via an HP Jetdirect print server: Microsoft Windows 2000, Server 2003, XP, Vista, 2003 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, 11.1; Solaris 2.5 and later (SPARC systems only); IBM AIX 3.2.5 and later 1; MPE-iX; Citrix MetaFrame Server; Windows Terminal Services		
<b>Network protocols</b>	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		
<b>Security</b>	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		
<b>Dimensions (w by d by h)</b>	16.5 by 17.7 by 15.5 in	16.5 by 17.7 by 21.5 in	16.5 by 20 by 21.5 in
<b>Weight (includes print cartridge)</b>	56.92 lb	71.58 lb	77.42 lb
<b>What's in the box</b>	Printer, right-angled power cord, control panel overlay, software and documentation on CD-ROM, print cartridge, <sup>11</sup> Getting Started Guide, support flyer		
Also includes		500-sheet input tray 3	500-sheet input tray 3, automatic duplexer for two-sided printing
<b>Warranty</b>	One-year, return to HP authorized service center, limited warranty		
<b>Environmental ranges</b>	Typical Electricity Consumption (TEC): 5.049 kWh/Week ENERGY STAR® qualified models, see <a href="http://www.hp.com/go/energystar">www.hp.com/go/energystar</a>		
Recommended temperature	50 to 90 degrees F		
Storage temperature	32 to 95 degrees F		
Recommended relative humidity	10 to 80 percent		
Storage relative humidity	10 to 95 percent		
Altitude	Up to 10,000 ft		
<b>Acoustics<sup>12</sup></b>			
Sound power	Active: 7.4 B(A)	Ready: 4.8 B(A)	
Bystander sound pressure	Active: 60 dB(A)	Standby: 31 dB(A)	
<b>Power specifications</b>	EMC		
Required input voltage	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		
Power consumption <sup>13</sup>	100 to 127 V (±10 percent), 50/60 Hz (±3 Hz) 220 to 240 V (±10 percent), 50/60 Hz (±3 Hz) Active: 910 watts Ready: 20 watts	Sleep: 12 watts Off: 0 watts	HP SureSupply enabled. To learn more, visit <a href="http://www.hp.com/learn/suresupply">www.hp.com/learn/suresupply</a>

<sup>7</sup> Exact speed varies depending on system configuration, software application, driver, and document complexity.

<sup>8</sup> An InfoTrends study shows the typical office print job is three to five pages long: [www.infotrends.com/public/Content/Presentations/officeprinteruse.pdf](http://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.

<sup>9</sup> 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.

<sup>10</sup> 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.

<sup>11</sup> Average continuous black cartridge yield 10,000 standard pages. Declared yield value 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](http://www.hp.com/go/learnaboutsupplies).

<sup>12</sup> Measured per ISO 7779 and declared per ISO 9296; values subject to change. For current information see [www.hp.com/support](http://www.hp.com/support). Configuration tested: LaserJet P4515x.

<sup>13</sup> Values subject to change. See [www.hp.com/support](http://www.hp.com/support) for current information. Power numbers are the highest values measured using all standard voltages.



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4AA1-6972ENUC, February 2008

