

# HP LaserJet 2400 series printer

2420 • 2420d • 2420n • 2420dn • 2430t • 2430tn • 2430dtn



A user-friendly, proven performer, the HP LaserJet 2400 series printer offers flexible features that fit the needs of small work teams.

## Ease of use

- **Increase work team productivity.** The intuitive, two-line control panel comes with a built-in help function, simplifying print job management. The print cartridge is easy to use and maintain: with HP Smart printing technology,<sup>1</sup> receive automatic alerts when the cartridge is low and take advantage of convenient online ordering with HP SureSupply.<sup>2</sup>
- **Enjoy a printer built for sharing.** The network-ready models<sup>3</sup> include an HP Jetdirect Fast Ethernet print server embedded on the device formatter board, which leaves the EIO slot open for even more connectivity options.
- **Save time with remote management tools.** HP Toolbox offers a user-friendly interface that helps you monitor the printer and provides one location for all printer information, including documentation and self-help. The HP Embedded Web Server enables one-to-one network printer management, while HP Web Jetadmin helps network administrators manage fleets of peripherals.
- **Rely on a trusted and familiar product.** The HP LaserJet 2400 series printer offers a familiar user experience and industry-renowned HP LaserJet reliability.

## Professional results

- **Enhance your business image.** 1200 by 1200 ProRes print quality provides consistently clear, sharp detail on a variety of HP papers. With HP Smart printing technology<sup>1</sup> in the printer and supplies, printing properties are automatically adjusted for consistent quality and reliability.
- **Streamline your business printing.** The printer delivers up to 35 pages per minute (ppm) and gets the first page out quickly with Instant-on Technology.

- **Experience effortless performance.** The fast 400 MHz processor lets you quickly print even the most complex documents. And the printer can grow with your business: the models come with a base of 32-64 MB Dual Data Rate (DDR) memory, expandable to 288-320 MB. The industry-standard in memory technology, DDR memory provides better performance while reducing power consumption.

## Value-packed printer

- **Be flexible.** The HP LaserJet 2400 series printer handles a broad range of paper sizes and types with a 100-sheet multipurpose input tray and a 250-sheet input tray. Increase your maximum input capacity to 850 sheets with the 500-sheet optional input tray<sup>4</sup> for more paper options, less intervention, and time savings. Plus, automatic two-sided printing<sup>5</sup> offers greater finishing capabilities and reduces printing costs.
- **Add printing capabilities.** Use the two available Compact Flash slots to enable third-party solutions and take advantage of the convenience and value of more font choices, intelligent e-forms, secure printing, barcode printing, SAP/ERP solutions, and job accounting solutions.
- **Get added value with an environmentally-friendly product.** Designed with the environment in mind, the printer has met stringent requirements to reduce energy consumption, noise levels, and chemical emissions. In addition, the printer is designed for long-term usage, accommodates recycled paper, and has parts and supplies that can be returned and recycled through HP's take-back program.<sup>6</sup>

HP printing and imaging systems help you create powerful, professional communications easily. HP printers, supplies, accessories, and services are designed to work together and are invented to meet your business needs.

<sup>1</sup> Using genuine HP supplies ensures availability of all HP printing features.

<sup>2</sup> HP SureSupply online ordering availability varies by region.

<sup>3</sup> Embedded networking is standard on HP LaserJet 2420n, 2420dn, 2430tn, and 2430dtn models only.

<sup>4</sup> The 500-sheet feeder tray is an optional accessory on HP LaserJet 2420, 2420d, 2420n, and 2420dn models; it is included on all 2430 models.

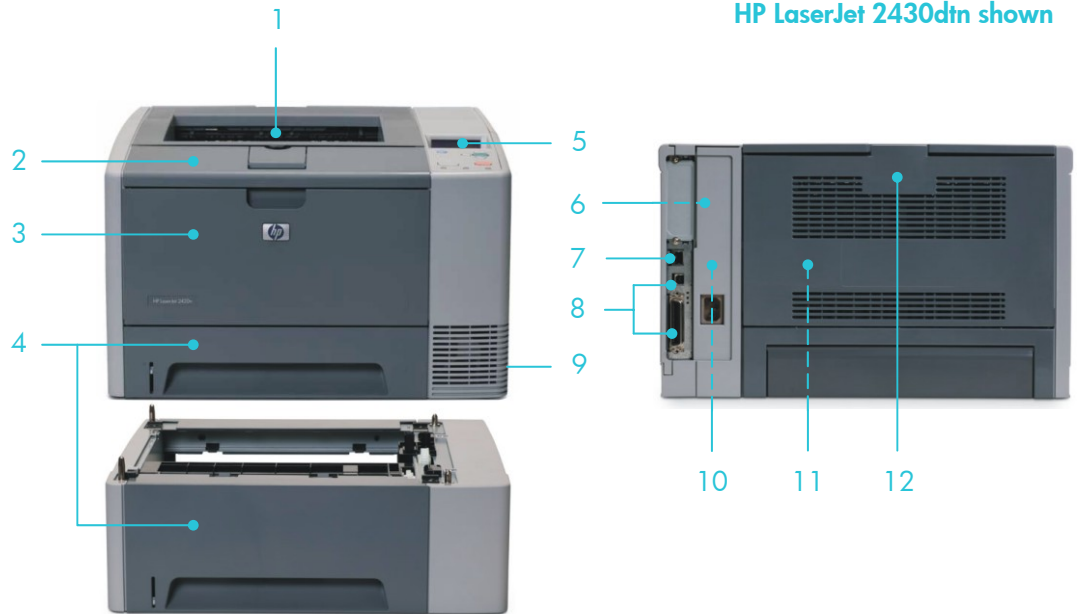
<sup>5</sup> The automatic two-sided printing unit is standard on HP LaserJet 2420d, 2420dn, and 2430dtn models only; it is not an optional accessory for the other models.

<sup>6</sup> There may be a small charge for the take-back of hardware products. HP's environmental return program varies by region.



# HP LaserJet 2400 series printer

- 1 250-sheet top output bin with long paper extension
- 2 One-door access to the easy-to-install print cartridge
- 3 100-sheet multipurpose tray enables automatic and manual feeding of special papers
- 4 250-sheet input tray and 500-sheet input tray for an 850-sheet total input capacity
- 5 Intuitive, two-line control panel with a built-in help function
- 6 Two Compact Flash slots provide optional access to additional fonts and enable third-party solutions
- 7 HP Jetdirect Fast Ethernet embedded print server for easy network sharing
- 8 Hi-Speed USB 2.0 and parallel ports provide simple direct connections
- 9 On/off switch
- 10 64 MB DDR memory expandable to 320 MB, and a powerful 400 MHz processor
- 11 Automatic two-sided printing
- 12 100-sheet rear output bin provides a straight-through paper path for special papers



## Series highlights

- Increase office efficiency with fast print speeds of up to 35 ppm letter (33 ppm A4) with the HP LaserJet 2430 series or up to 30 ppm letter (28 ppm A4) with the HP LaserJet 2420 series.
- Instant-on Technology ensures a fast first page out of less than 10 seconds, even when the printer has been in Powersave mode.
- Print professional-looking documents at up to 1200 dots per inch (dpi).
- Simple remote management tools make the printer easy to configure, monitor, troubleshoot, and maintain.
- With its small size, the printer fits where you want it—even on your desktop, conserving valuable workspace.
- An environmentally-friendly design means low energy consumption, quiet operation, minimal emissions, and support for recycling.
- HP PCL 6, HP PCL 5e, and HP postscript level 3 emulation drivers ensure dependable network printing.
- One available EIO slot supports additional connectivity options, such as an HP Jetdirect wireless Ethernet print server.
- Enjoy worry-free printing with a one-year, return-to-HP limited warranty backed by free telephone and Web support.

# Experience a reliable, easy-to-use printer designed for the small work team.

## Lasting value

A number of elements designed into the printer contribute to significant cost savings over time. A 6,000-page<sup>7</sup> HP LaserJet print cartridge is included with each printer. The street prices and yields for the HP LaserJet 2400 series supplies are designed to maintain a low cost of ownership.

No matter which model you choose, the printer is expandable to meet the needs of your growing business:

- Increase office productivity with more memory, additional fonts, and third-party Compact Flash solutions, such as intelligent e-forms, secure printing, barcode printing, SAP/ERP solutions, and job accounting solutions.
- Spend less time loading paper with the optional 500-sheet tray for a total input capacity of 850 sheets.
- Enjoy the ultimate in printing flexibility and freedom with HP's industry-leading mobile and wireless printing solutions. The printer supports HP Jetdirect 802.11b/g wireless Ethernet print servers, the HP Bluetooth® wireless printer adapter, and the HP Mobile Print Driver for Windows®, a common driver for basic printing to nearly any HP printer. For more information, go to [www.hp.com/go/mpd4w](http://www.hp.com/go/mpd4w).

By far the biggest contributor to user productivity and lower costs is the reliability of HP equipment, support, and service. For over a decade, Hewlett-Packard has consistently received the top grade in PC Magazine's Service and Reliability Survey and recently received one of the first-ever A+ ratings.

## Easy to integrate and use

Designed for easy use, the HP LaserJet 2400 series printer is simple to operate and maintain—a feature that is crucial for small businesses, which often do not have IT support. The HP LaserJet all-in-one print cartridge simplifies supplies management and makes it easier to maintain the printer.

## Legendary HP service and support

HP offers a variety of support options to assist you in the setup and maintenance of the HP LaserJet 2400 series printer. Start with a one-year, return-to-HP limited warranty backed by free telephone and Web support from the award winning HP Customer Care. To customize the printer for your unique business profile, consider upgrading service and support options such as installation, network installation, advanced maintenance, and post-warranty support.

<sup>7</sup> Average cartridge yield: 6,000 standard pages. Declared yield value in accordance with ISO/IEC 19752.

## Series at a glance



**2420**

- Print speed of up to 30 ppm (letter), 28 ppm (A4)
- 32 MB RAM, expandable to 288 MB
- 100-sheet multipurpose tray
- 250-sheet input tray



**2420d**

- Print speed of up to 30 ppm (letter), 28 ppm (A4)
- 48 MB RAM, expandable to 304 MB
- 100-sheet multipurpose tray
- 250-sheet input tray
- Built-in automatic two-sided printing



**2420n**

- Print speed of up to 30 ppm (letter), 28 ppm (A4)
- 64 MB RAM, expandable to 320 MB
- 100-sheet multipurpose tray
- 250-sheet input tray
- HP Jetdirect Fast Ethernet embedded print server



**2420dn**

- Print speed of up to 30 ppm (letter), 28 ppm (A4)
- 64 MB RAM, expandable to 320 MB
- 100-sheet multipurpose tray
- 250-sheet input tray
- Built-in automatic two-sided printing
- HP Jetdirect Fast Ethernet embedded print server



**2430t**

- Print speed of up to 35 ppm (letter), 33 ppm (A4)
- 48 MB RAM, expandable to 304 MB
- 100-sheet multipurpose tray
- 250-sheet input tray
- 500-sheet input tray



**2430tn**

- Print speed of up to 35 ppm (letter), 33 ppm (A4)
- 64 MB RAM, expandable to 320 MB
- 100-sheet multipurpose tray
- 250-sheet input tray
- 500-sheet input tray
- HP Jetdirect Fast Ethernet embedded print server



**2430dtn**

- Print speed of up to 35 ppm (letter), 33 ppm (A4)
- 64 MB RAM, expandable to 320 MB
- 100-sheet multipurpose tray
- 250-sheet input tray
- 500-sheet input tray
- Built-in automatic two-sided printing
- HP Jetdirect Fast Ethernet embedded print server

# HP LaserJet 2400 series printer

Technical specifications	HP LaserJet 2420 (Q5956A)	HP LaserJet 2420d (Q5957A)	HP LaserJet 2420n (Q5958A)	HP LaserJet 2420dn (Q5959A)	HP LaserJet 2430t (Q5960A)	HP LaserJet 2430tn (Q5961A)	HP LaserJet 2430dn (Q5962A)
<b>Print speed<sup>8</sup></b>	Up to 30 ppm (letter), 28 ppm (A4)				Up to 35 ppm (letter), 33 ppm (A4)		
<b>First page out</b>	Under 10 seconds						
<b>Resolution</b>	Up to 1200 by 1200 dpi with HP ProRes 1200; Resolution Enhancement technology (RET)						
<b>Processor</b>	400 MHz MIPS 20KC						
<b>Memory</b>							
RAM	32 MB standard, expandable to 288 MB	48 MB standard, expandable to 304 MB	64 MB standard, expandable to 320 MB	48 MB standard, expandable to 304 MB	64 MB standard, expandable to 320 MB		
Technology	Two 100-pin DDR DIMM slots (one open); Memory Enhancement technology (MET)						
Flash memory	Two Compact Flash slots						
<b>Duty cycle</b>	Up to 75,000 pages per month				Up to 100,000 pages per month		
<b>Printer language</b>	HP PCL 6, HP PCL 5e, HP postscript level 3 emulation, direct PDF printing (v 1.3) with at least 128 MB of printer memory						
<b>Typefaces included</b>	80 HP font set (plus Greek, Hebrew, Cyrillic, Arabic)						
<b>Paper handling</b>							
Input capacity	100-sheet multipurpose tray 1, 250-sheet input tray 2				100-sheet multipurpose tray 1, 250-sheet input tray 2, 500-sheet input tray 3		
Output capacity	250-sheet top output bin; up to 10 envelopes, 75 transparencies; 100-sheet rear output bin						
Two-sided printing	Manual (driver support provided)	Automatic	Manual (driver support provided)	Automatic	Manual (driver support provided)		Automatic
Sizes	Multipurpose tray 1: 3 by 5 to 8.5 by 14 in (76 by 127 to 216 by 356 mm); letter, legal, 8.5 by 13 inches, executive, A4, A5, B5 (JIS), envelopes; trays 2 and 3: letter, legal, 8.5 by 13 inches, executive, A4, A5, B5 (JIS); automatic two-sided printing unit: letter, legal, 8.5 by 13 inches, A4, executive (JIS)						
Weights	Tray 1, straightthrough paper path for special paper and heavier stock: 16 to 53 lb (60 to 200 g/m <sup>2</sup> ); tray 2, 3: 16 to 32 lb (60 to 120 g/m <sup>2</sup> )						
Types	Paper (plain, preprinted, letterhead, prepunched, bond, recycled, color, rough), transparencies, labels, envelopes, cardstock, user-defined						
<b>Connectivity</b>							
Interfaces	IEEE 1284-B compliant parallel port, Hi-Speed USB 2.0 port, EIO slot		IEEE 1284-B compliant parallel port, Hi-Speed USB 2.0 port, EIO slot; HP Jetdirect Fast Ethernet embedded print server		IEEE 1284-B compliant parallel port, Hi-Speed USB 2.0 port, EIO slot		IEEE 1284-B compliant parallel port, Hi-Speed USB 2.0 port, EIO slot; HP Jetdirect Fast Ethernet embedded print server
Client operating systems	Microsoft® Windows® 98, Me, NT 4.0 (parallel and network connections only), 2000, XP, Server 2003; Apple Mac OS 9.x and later, OS X v10.1 or later; optional: OS/2, UNIX®, Linux®, HP OpenVMS						
Network operating systems	Via HP Jetdirect print servers: Microsoft Windows 98, Me, NT 4.0, 2000, XP, HP 64-bit, Server 2003; Novell NetWare 3.2, 4.2, 5.x, 6.x; Apple Mac OS 8.6 and later; Red Hat Linux 6.x and later; SuSE Linux 6.x and later; HP-UX 10.20, 11.x; Solaris 2.5x, 2.6, 7, 8, 9, 10 (SPARC systems only); IBM AIX 3.2.5 and later; MPE-iX, Terminal server/Citrix						
Network protocols supported	Via HP Jetdirect print servers: TCP/IP (IP Direct mode; may require software from the NOS vendor or third party vendor: LPD, FTP, IPP), IPX/SPX, DLC/LLC, AppleTalk, Auto-IP, Apple Rendezvous compatible, NDS, Bindery, NCP, Telnet, SLP, IGMP, BOOTP/DHCP, WINS, SNMP (v 1, 2c, 3), HTTP						
<b>Dimensions (h by d by w)</b>	10.2 by 15.7 by 16.7 in (260 by 400 by 425 mm)				15.7 by 15.7 by 16.7 in (400 by 400 by 425 mm)		
<b>Weight</b>	36 lb (16.3 kg)				48.5 lb (22 kg)		
<b>What's in the box</b>	HP LaserJet 2420 printer, power cord, control panel overlay, <sup>9</sup> print cartridge, software and documentation on CD-ROM, Start Guide, support flyer	HP LaserJet 2420d printer (includes built-in automatic two-sided printing), power cord, control panel overlay, <sup>9</sup> print cartridge, software and documentation on CD-ROM, Start Guide, support flyer	HP LaserJet 2420n printer (includes HP Jetdirect embedded print server), power cord, control panel overlay, <sup>9</sup> print cartridge, software and documentation on CD-ROM, Start Guide, support flyer	HP LaserJet 2420dn printer (includes built-in automatic two-sided printing and HP Jetdirect embedded print server), power cord, control panel overlay, <sup>9</sup> print cartridge, software and documentation on CD-ROM, Start Guide, support flyer	HP LaserJet 2430t printer, 500-sheet input tray 3, power cord, control panel overlay, <sup>9</sup> print cartridge, software and documentation on CD-ROM, Start Guide, support flyer	HP LaserJet 2430tn printer (includes HP Jetdirect embedded print server), 500-sheet input tray 3, power cord, control panel overlay, <sup>9</sup> print cartridge, software and documentation on CD-ROM, Start Guide, support flyer	HP LaserJet 2430dn printer (includes built-in automatic two-sided printing and HP Jetdirect embedded print server), 500-sheet input tray 3, power cord, control panel overlay, <sup>9</sup> print cartridge, software and documentation on CD-ROM, Start Guide, support flyer

<sup>8</sup> Exact speed varies depending on the system configuration, software application, and document complexity.  
<sup>9</sup> Included only when needed to change the language on the control panel for a country/region.

Environmental ranges	
Operating temperature	59 to 89 degrees F (15 to 32.5 degrees C)
Storage temperature	-4 to 104 degrees F (-20 to 40 degrees C)
Relative humidity	Recommended: 10 to 80 percent, RH; non-operating: 10 to 90 percent, RH
Acoustics	
Sound power	2420 engine: active: 6.7 B(A); Standby: inaudible 2430 engine: active: 6.8 B(A); Standby: inaudible Active: 53 dB(A); Standby: inaudible
Sound pressure	
Power specifications <sup>10</sup>	
Input requirements	110 to 127 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz); 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz)
Consumption	Active: 625 watts; Standby: 11 watts; Powersave: 8.5 watts; Off: 0.4 Energy Star® compliant
Power certifications	
Safety	IEC 60950 (International), EN 60950 (EU), IEC 60825-1+A1+A2, UL/cUL Listed (US/Canada), GS license (Europe), EN 60825-1+A11+A2 Class 1, 21 CFR Ch. 1/SubCh. J (Class 1 Laser/LED Device) GB4943-2001, Low Voltage Directive 73/23/EEC with CE Marking (Europe). Other safety approvals as required by individual countries.
EMC	CISPR 22:1997/EN 55022:1998 Class B, EN 61000-3-2:2000, EN 61000-3-3:1995+A1, EN 55024:1998, FCC Title 47 CFR, Part 15 Class B (USA), ICES-003, Issue 4, (Canada), GB9254-1998, EMC Directive 89/336/EEC with CE Marking (Europe) other EMC approvals as required by individual countries.
Warranty	
	One-year limited warranty, return to HP/dealer for repair

<sup>10</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This can damage the printer and void the product warranty.



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## Ordering information

Product	Number
<b>Paper handling accessories</b>	
500-sheet input tray	Q5963A
<b>Print cartridges</b>	
HP LaserJet print cartridge. Average cartridge yield: 6,000 standard pages <sup>11</sup>	Q6511A
HP LaserJet print cartridge. Average cartridge yield: 12,000 standard pages <sup>11</sup>	Q6511X
<b>Memory</b>	
64 MB 100-pin DDR DIMM	Q2625A
128 MB 100-pin DDR DIMM	Q2626A
256 MB 100-pin DDR DIMM	Q2627A
<b>Cables</b>	
HP IEEE 1284-compliant bidirectional parallel cable, 2 meter	C2950A
HP IEEE 1284-compliant bidirectional parallel cable, 3 meter	C2951A
USB A to B cable, 2 meter	C6518A
<b>Connectivity</b>	
HP Jetdirect 625n Gigabit Ethernet internal print server	J7960A
HP Jetdirect 620n Fast Ethernet internal print server	J7934A
HP Jetdirect 680n 802.11b wireless Ethernet internal print server	J6058A
HP Jetdirect ew2400 802.11g wireless and Fast Ethernet external print server (USB 2.0)	J7951A
HP bt1300 Bluetooth wireless printer adapter (USB or parallel)	J6072A
<b>HP Care Packs</b>	
3-year, next-day exchange	U3790A/E
3-year, next-day return-to-HP/dealer	U3789E
3-year, next-business-day onsite response	U3791A/E
Installation service: 1 printer, 1 incident	H4513E
Installation service: 1 network configuration	H3110E
1-year, post warranty service, next-day exchange	U3793PA/PE
1-year, post warranty service, next-business-day onsite response	U3792PA/PE
<b>HP papers</b>	
HP Multipurpose Paper, letter	HPM1120
HP Multipurpose Paper, legal	HPM1420
HP Printing Paper, letter	HPP1122
HP LaserJet Paper, letter	HPJ1124
HP LaserJet Paper, legal	HPJ1424
HP Premium Choice Paper, letter	HPU1132
HP Printing Paper, A4	CHP210
HP LaserJet Paper, A4	CHP310
HP Premium Choice Paper, A4	CHP410
<b>Third-party solutions</b>	
www.hp.com/go/gsc	
<sup>11</sup> Declared yield value in accordance with ISO/IEC 19752.	

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