

HP Color LaserJet CM2320 Multifunction Printer series



Meet your everyday document needs quickly and efficiently with this value-priced colour laser MFP. Print and copy high quality output at speeds up to 20 ppm, black and colour. Scan and fax easily with a device that's simple to use and maintain.



HP Color LaserJet
CM2320nf Multifunction
Printer



HP Color LaserJet
CM2320fxi Multifunction
Printer

An ideal choice for small workteams of 3-5 users in any sized business who need an affordable, reliable, easy-to-use multifunction device to produce a wide range of high quality business documents.

Get more done in less time with amazing results from print, copy, scan, and fax functionality.

Get fast print/copy speeds of up to 20 ppm in black and colour. Easily share functionality with built-in networking, or connect directly to your PC via USB. The 50-sheet automatic document feeder and advanced Instant-on CCD scanner enable unattended faxing, scanning and copying of multi-page, two-sided documents¹. "Scan to" functionality lets you scan and send documents to a folder or network folder. Scan and send documents and images directly to your customers in e-mail without a PC².

Create professional-quality communications effortlessly with this affordable HP Color LaserJet MFP.

Get exceptional colour quality on demand: produce more effective business communications with HP ImageREt 3600 and next generation HP ColorSphere toner for a broad range of vibrant colours, high gloss, sharp text, and realistic photo quality. Use the advanced flatbed CCD scanner to capture and e-mail high quality images from documents, brochures and books, directly from the device over a network without a PC².

Incredibly easy to install, use, share and maintain with effortless print cartridge replacement.

Incredibly easy to install, use, share and maintain. An intuitive control panel with 2.4"/6 cm colour graphics display makes advanced features simple to use. Ongoing use is effortless with only four print cartridges that are clean and easy to replace. E-mail documents and images directly from the MFP without a PC². Turn scanned text into editable files with Readiris PRO optical character recognition software. Enjoy easy and consistent printing over a network with HP's Universal Print Driver.

¹ Available with CM2320fxi MFP

² Available with CM2320nf and fxi MFP, attached to a network with persistent internet and e-mail account access and no authentication requirements (additional requirements may apply).

Technical specifications

Print technology	Laser			
Print speed	A4 black: Up to 20 ppm. Colour: Up to 20 ppm. First page out black: < 17.8 sec (from ready mode). Colour: < 18.2 sec (from ready mode). Exact speed varies depending on the system configuration, software program, and document complexity.			
Processor	450 MHz. Freescale Coldfire® V5X embedded processor			
Memory	160 MB. Expandable to 416 MB through 1 DDR2 (SO-DIMM) slot			
Print	Quality	HP ImageREt 3600		
	Resolution	A4 black: Up to 600 x 600 dpi. Colour: Up to 600 x 600 dpi		
	Printer languages	HP PCL 6, HP Postscript level 3 emulation, HP PCL 5c		
	Typefaces/fonts	80 TrueType internal scalable PCL 6, 80 TrueType internal scalable Postscript		
	Duty cycle (month, A4)	Up to 40000 pages		
	Recommended monthly page volume	1000 to 2500		
	Print margins (mm)	Top: 3.5 mm. Left: 3.5 mm. Right: 3.5 mm. Bottom: 3.5 mm		
Fax	Modem speed	33.6 kbps (3 sec per page)		
	Telecom compliance	Telecom: ES 203 021, R&TTE Directive 1999/5/EC (Annex II) with CE Marking (Europe), FCC Part 68, Industry Canada CS03, NOM-151-SCTI-1999 (Mexico), PTC-200 (New Zealand), AS/ACIF S002: 2001 (Australia), IDA PSTN1 (Singapore), TPS002-01 (Malaysia), IG 0005-		
	Fax memory	Up to 250		
	Fax resolution	Standard: 203 x 98 dpi. Fine: 203 x 196 dpi. Superfine: 300 x 300 dpi (no halftone)		
	Quick dialing	Up to 120. 4		
	Fax Smart Software Features	Up to 33.6 kbps, duplex fax receive (CM2320fxi), Fax Setup Wizard, FaxTel, private fax receive, auto fax reduction, fax forwarding, fax polling (receive only), fax confirmation report, junk fax blocking, broadcasting (to up to 119 locations), 120-entry phone book, auto redialing, delayed sending, distinctive ring, digital storage of up to 250 fax pages (some features network, system, and software installation dependant)		
	Scan	Type	Flatbed; ADF. Colour scanning: Yes. File Formats: BMP, GIF, JPG, PNG, TIF, PDF	
Scan	Scan resolution	Optical: Up to 1200 dpi. Enhanced: Up to 19200 dpi		
	Bit depth	42-bit		
	Grey scale levels	256		
	Twain version	TWAIN compatible Version 1.9		
	Scan input modes	Remote initiated scanning via HP Director, TWAIN-compliant or WIA-compliant software, HP Solution Center software Walk-up initiated scanning via front control panel (preconfiguration via software required)		
	Scannable area	Maximum media size: 21.6 x 29.7 cm		
	Margins for scanned items	Left: 3.5 mm. Top: 3.5 mm. Right: 3.5 mm. Bottom: 3.5 mm		
Scanner smart software features	High depth-of-focus CCD scanner with instant-on LED illumination captures high quality images, 3-D objects and double page spreads minimising visible black lines at the binding. Scan-to e-mail, scan-to folder, scan-to PC, scan-to network folder, (some features network, system, and software installation dependant)			
Copy	Copy speed	Black: Up to 20 cpm. Colour: Up to 20 cpm		
	Copy resolution	Up to 600 x 600 dpi		
	Multiple copies	Up to 99		
	Reduce/enlarge	25 to 400%		
	Copier smart software features	CM2320nf: Instant-on copy, 50-sheet Automatic Document Feeder (ADF), up to 99 multiple copies, scan once print many, collation, reduce/enlarge from 25 to 400% (with page-size presets), fit to page, two or four pages to one page, customisable copy presets, contrast (lighter/darker), resolution (copy quality), optimise copy selection (with presets-autoselect, mixed, printed picture, photograph, text), Colour Lockout - Turn colour copy off/on and password protect - some features system and software installation dependant CM2320fxi: Auto-duplex copy, Instant-on copy, 50-sheet Automatic Document Feeder (ADF), up to 99 multiple copies, scan once print many, collation, reduce/enlarge from 25 to 400% (with page-size presets), fit to page, two or four pages to one page, customisable copy presets, contrast (lighter/darker), resolution (copy quality), optimise copy selection (with presets-autoselect, mixed, printed picture, photograph, text), Turn colour copy and photo card slots off/on and password protect - some features system and software installation dependant		
Media handling	Input:	Capacity	Weight	Size
	Tray 1	sheets: 50, transparencies: 50, envelopes: 10	60 to 176 g/m² (up to 220 g/m² with HP Color Laser Glossy Photo papers)	A4, A5, A6, B5 (JIS), 16K, 10 x 15 cm, envelopes (ISO DL, ISO C5, ISO B5), post cards (Standard #10, JIS Single, JIS Double), 76 x 127 to 216 x 356 mmCM2320nf: A4, A5, A6, B5 (JIS), 16K, 10 x 15 cm, envelopes (ISO DL, ISO C5, ISO B5), post cards (Standard #10, JIS Single, JIS Double), 76 x 127 to 216 x 356 mm; CM2320fxi: A4, A5, A6, B5 (JIS), 16K, 10 x 15 cm, envelopes (ISO DL, ISO C5, ISO B5), post cards (Standard #10, JIS Single, JIS Double), 76 x 127 to 216 x 356 mm
	Tray 2	sheets: 250, envelopes: 10	60 to 163 g/m² (up to 176 g/m² with postcards, up to 220 g/m² with HP Color Laser Glossy Photo papers)	A4, A5, A6, B5 (JIS), 16K, 10 x 15 cm, envelopes (ISO DL, ISO C5, ISO B5), post cards (JIS Single, JIS Double), 100 x 148 to 216 x 356 mm
	Tray 3	sheets: 250, envelopes: 10 (CM2320fxi)	60 to 163 g/m² (up to 176 g/m² with postcards, up to 220 g/m² with HP Color Laser Glossy Photo papers) (CM2320fxi)	A4, A5, A6, B5 (JIS), 16K, 10 x 15 cm, envelopes (ISO DL, ISO C5, ISO B5), post cards (JIS Single, JIS Double), 100 x 148 to 216 x 356 mm (CM2320fxi)
	ADF	sheets: 50	60 to 90 g/m²	A4 (ISO), A5 (ISO), B5 (JIS), Executive, legal, letter, personal, 127 x 127 mm to 215.9 x 355.6 mm
	Output:	Sheets: Up to 150. Envelopes: Up to 20. Transparencies: Up to 50		

Ordering information

CC436A	HP LaserJet CM2320nf MFP,power cord(s), pre-installed introductory HP LaserJet Black, Cyan, Magenta and Yellow print cartridges (average continuous composite cyan/yellow/magenta cartridge yield 1,200 pages and average continuous black cartridge yield 1,200 pages, Getting Started Guide, support flyer, CDs containing device software and electronic User's Guide, control panel faceplate, Readiris PRO text recognition software, ADF input support, phone cord(s), ReadIris registration card, IHM media Kit.
CC435A	HP LaserJet CM2320fxi MFP with automatic two-sided printing,copying and faxing and 250 sheet paper tray

Service & support

UJ574E	HP Care Pack, Next Business Day Onsite Support, 3 years
UJ576E	HP Care Pack, Same Business Day Onsite Support, 4 hours 13x5, 3 years
UJ577PE	HP Care Pack, Post-Warranty Next Business Day Onsite Support, 1 year
UJ579PE	HP Care Pack, Post Warranty Same Business Day Onsite Support, 4 hours 13x5, 1 year
H3110E	HP Care Pack, Network Installation



Technical specifications

Media types	Paper (bond, brochure, colour, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes
Interface and connectivity	Built-in 10/100 wired Ethernet network connectivity with 1 RJ-45 port; 1 Hi-Speed USB 2.0 port
Memory card compatibility	CompactFlash™ Type I and II, Memory Stick®, Secure Digital, MultiMediaCard, xD-Picture Card
Operating systems compatibility	Microsoft® Windows® 2000, Server 2003, XP Home, XP Media Center, XP Professional, XP Professional x64, XP Tablet PC; Certified for Windows Vista®; Mac OS X v10.3 or higher; Novell® NetWare 3.2, 4.2, 5.x, 6; HP-UX 10.2. Optional: Windows Vista® Ultimate, Home Premium, Home Basic, Business, Enterprise, Ultimate 64-bit, Home Premium 64-bit, Home Basic 64-bit, Business 64-bit; Enterprise 64-bit; Microsoft® Windows® XP Home, XP Professional, XP Media Center, XP Tablet PC; Mac OS X v10.3, v10.4, Leopard; Linux PS3 (driver only); Unix PS3 (driver only); Citrix® (PDL, print driver only-supports NT OS's); Driver only: Windows Vista® Starter; Microsoft® Windows® XP Professional 64-bit, Server 2003, Server 2003 64-bit, 2000. Latest supported operating systems and print drivers available at: http://www.hp.com/support/cljcm2320mfp
Network operating systems compatibility	Microsoft® Windows® 2000 (print drivers only), XP, XP 64-Bit, Server 2003/2008, Windows Vista®; Mac OSX v10.3, v10.4, v10.5; RED HAT / SUSE Linux 6.x and later; Novell NetWare 3.2 and later (NDPS-TCP/IP only); Citrix Metaframe (Print only); Microsoft® Windows® Terminal Services (Print only) (note: not all protocol and operating system configurations are supported. For more information, go to http://www.hp.com/support/net_printing). Optional: Windows Vista® Ultimate, Home Premium, Home Basic, Business, Enterprise, Ultimate 64-bit, Home Premium 64-bit, Home Basic 64-bit, Business 64-bit, Enterprise 64-bit; Microsoft® Windows® XP Home, XP Professional, XP Media Center, XP Tablet PC; Mac OS X v10.3, v10.4, Leopard; Linux PS3 (driver only); Unix PS3 (driver only); Citrix (PDL, print driver only-supports NT OS's); Driver only: Windows Vista® Starter, Microsoft® Windows® XP Professional 64-bit, 2003 Server, 2003 Server 64-bit
Minimum system requirements	Microsoft® Windows® Server 2003: any Pentium® II processor or greater, 64 MB RAM, 50 MB available hard disk space, SVGA 800 x 600 monitor with 16-bit colour (print driver, scan driver only); Microsoft® Windows® 2000, XP Home, XP Professional: any Pentium® II processor (Pentium® III or higher recommended), 128 MB RAM, 250 MB available hard disk space, SVGA 800 x 600 monitor with 16-bit colour, Internet Explorer 5.5 or higher (full install); 1 GHz processor, 512 MB RAM (Windows Vista®, check user guide for minimum hard drive space); CD-ROM drive, USB port. Mac OS X v10.3.9, v10.4.x; PowerPC G3, G4, or G5 processor; Intel® Core processor; 80 MB RAM, 30 MB available hard disk space; USB port; CD-ROM drive
Standard software	HP Toolbox FX, HP LaserJet Scan, TWAIN 1.9 or WIA scanner drivers, HP LaserJet Fax, HP Fax Setup Wizard, HP Fax software, Readiris PRO text recognition software (not installed with other software, separate installation required), printer drivers (HP PCL 6, HP PCL 5e, HP Postscript Level 3 emulation), installer/uninstaller, HP Director (Macintosh). Drivers on the web: CM2320nf: Installer, print drivers, HP Send Fax, HP Scan software, HP Toolbox FX for management and support, Readiris PRO text recognition software, HP Software Update, HP Web Jetadmin, Enterprise Installer; CM2320fxi: Installer, print drivers, HP Send Fax, HP Scan software, HP Toolbox FX for management and support, Readiris PRO text recognition software, HP Software Update, HP Web Jetadmin, Enterprise Installer
Control panel	CM2320nf: Intuitive control panel with 2.4"/6 cm colour graphic rotating display, alternating message screen, device/supplies status view, Ready LED, Error LED, Copy controls, Scan controls, Fax controls, Black/Colour controls, Photo controls, Numeric, Setup, Cancel, Help, and Back buttons.; CM2320fxi: Intuitive control panel with 2.4"/6 cm colour graphic rotating display, alternating message screen, device/supplies status view, Ready LED, Error LED, Copy controls, Scan controls, Fax controls, Black/Colour controls, Photo controls, Numeric, Setup, Cancel, Help, and Back buttons.
Power	Requirements: Input voltage 110 to 127 VAC (+/- 10%), 60 Hz (+/- 2 Hz), 220 to 240 VAC (+/- 10%), 50 Hz (+/- 2 Hz). Consumption: 460 watts maximum (active), 425 watts (copy/scan), 27 watts (ready), 9.2 watts maximum (sleep), 0.5 watts (off)
Dimensions (w x d x h)	Out of package: CM2320nf: 497 x 492 x 550 mm; CM2320fxi: 497 x 492 x 650 mm. Packaged: CM2320nf: 600 x 600 x 653 mm; CM2320fxi: 800 x 600 x 653 mm
Weight	Out of package: CM2320nf: 26.9 kg; CM2320fxi: 32.3 kg. Packaged: CM2320nf: 39.18 kg; CM2320fxi: 52.24 kg
Printer management	HP Toolbox FX, HP Web Jetadmin, HP Embedded Web Server, Easy Printer Care
Operating environment	Operating temperature: 15 to 30° C. Recommended operating temperature: 15 to 27° C. Operating humidity: 10 to 80% RH. Operating humidity recommended: 20 to 70% RH. Storage temperature: -20 to 40° C. Storage humidity: 10 to 95% RH
Certifications	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 app. Regulatory standards: 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
Warranty	One-year, on-site repair, limited hardware HP warranty, telephone and Web support (Warranty and support options vary by product, country and local legal requirements).

Ordering information

Accessories	
CB500A	HP Color LaserJet 250-sheet Input Tray
CB421A	HP 64 MB DDR2 144-pin DIMM
CB422A	HP 128 MB DDR2 144-pin DIMM
CB423A	HP 256 MB DDR2 144-pin DIMM
Supplies	
CC530A	HP Color LaserJet CC530A Black Print Cartridge Average continuous Black Cartridge yield 3,500 standard pages. Declared yield value in accordance with ISO/IEC 19798. *
CC531A	HP Color LaserJet CC531A Cyan Print Cartridge Average continuous composite Cyan/Yellow/Magenta Cartridge yield 2,800 standard pages. Declared yield value in accordance with ISO/IEC 19798. *
CC532A	HP Color LaserJet CC532A Yellow Print Cartridge Average continuous composite Cyan/Yellow/Magenta Cartridge yield 2,800 standard pages. Declared yield value in accordance with ISO/IEC 19798. *
CC533A	HP Color LaserJet CC533A Magenta Print Cartridge Average continuous composite Cyan/Yellow/Magenta Cartridge yield 2,800 standard pages. Declared yield value in accordance with ISO/IEC 19798. *
Connectivity	
Q6264A	HP Hi-Speed USB Cable (6 ft./1.8 m)

For a complete list of supplies, accessories and services, please refer to <http://www.hp.com>

<http://www.hp.com/uk>



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Published in EMEA 08/08 4AA2-0280EEE

