

# HP LASERJET ENTERPRISE 500 MFP M525 SERIES

Technical Specifications	HP LaserJet Enterprise 500 MFP Series M525dn Printer (CF116A)	HP LaserJet Enterprise 500 MFP Series M525f Printer (CF117A)
<b>Print</b>		
Print Speed <sup>1</sup>	Up to 40 ppm, A4 (up to 42 ppm, letter)	
First Page Out/First Copy Out <sup>2</sup>	As fast as 10.5 seconds from Ready (A4/Letter) / As fast as 10 seconds from Ready (A4/Letter)	
Print Resolution	Up to 1200 x 1200 dpi	
Control Panel	8.0-in (20.3 cm) colour LCD with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB 2.0 port; Hardware Integration Pocket	
Processor	800 MHz	
Memory	Standard 1 GB/Maximum 1 GB	
Durability Ratings	Recommended monthly volume: 2000 to 6000 pages <sup>3</sup> ; Duty Cycle: Up to Up to 75,000 pages (A4/Letter) <sup>4</sup>	
<b>Copy</b>		
Copy Resolution	Black: Up to 600 x 600 dpi (flatbed), 300 x 600 dpi (ADF)	
Copy Speed <sup>4</sup>	Black: Up to 40 cpm; Colour: Up to 42 cpm (A4)	
Maximum Number of Copies	Up to 9,999 copies	
Copier Resize	25 to 200%	
<b>Scan</b>		
Colour Scanning	Yes	
Scan Type	Flatbed, ADF	
Scan Resolution	Up to 600 x 600 dpi	
Scan Speed <sup>5</sup>	Up to 40 ppm (B&W), up to 30 ppm (Colour)	
Gray Scale Levels	256	
<b>Fax</b>		
Fax Resolution	–	Black and White, Standard: 204 x 98 dpi; Black and White, Best Mode: Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Fax Speed <sup>6</sup>	–	33.6 kbps
Speed Dials	–	–
Fax Features	–	Modem; Fax Auto-redialing; Auto Fax Reduction Supported; Maximum Locations: 100; Fax Forwarding Supported; Junk Barrier Supported; PC Interface Supported; Fax Polling Supported (poll to receive only)
<b>Paper</b>		
Input	100-sheet multipurpose tray, 500-sheet input tray 2, 50-sheet automatic document feeder	
Output	250-sheet output bin, 100-sheet rear output bin	
Duplex Printing	Automatic (Standard)	
Sizes	Tray 1: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10x15 cm, 16K, Postcard (JIS), DPostcard (JIS), Envelope (B5, C5, C6, DL); Tray 2, optional 500-sheet tray (3, 4): A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10x15 cm, 16K, Postcard (JIS), DPostcard (JIS)	
Weights	Tray 1: 52 to 199 g/m <sup>2</sup> (straight through paper path for special media); tray 2, optional 500-sheet tray (3, 4): 52 to 120 g/m <sup>2</sup>	
Types	Paper (bond, colour, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes, labels, cardstock, transparencies, user-defined	
<b>Connectivity</b>		
Interfaces	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000Base-TX network; 1 Foreign Interface; 1 Hardware Integration Pocket; 2 Internal USB Host	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000Base-TX network; 1 Foreign Interface; 1 Hardware Integration Pocket; 2 Internal USB Host; 1 Fax
Languages and Fonts	HP PCL 6, HP PCL 5c (HP PCL 5c driver available from the Web only), HP Postscript Level 3 emulation, native PDF printing (v1.4); 105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript Level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>	
Network Capabilities	Via HP Jetdirect 10/100/1000Base-TX Ethernet embedded print server (standard); 802.3az (EEE); IPsec (standard); 802.11b/g/n wireless networking (optional)	
Client Operating Systems	Microsoft® Windows® 7, Windows Vista®, Windows XP® (SP2+), Windows® Server 2003 (SP1+), Windows® Server 2008 (32 and 64-bit), Windows® Server 2008 R2 (64-bit); Mac OS X v10.5, 10.6, 10.7; For the latest operating system support see: Citrix and Windows® Terminal Services ( <a href="http://www.hp.com/go/upd">www.hp.com/go/upd</a> ); Novell ( <a href="http://www.novell.com/iprint">http://www.novell.com/iprint</a> ); Linux ( <a href="http://www.hplip.net">http://www.hplip.net</a> ); UNIX ( <a href="http://www.hp.com/go/unix">www.hp.com/go/unix</a> , <a href="http://www.hp.com/go/unixmodelscripts">www.hp.com/go/unixmodelscripts</a> , <a href="http://www.hp.com/go/jetdirectunix_software">www.hp.com/go/jetdirectunix_software</a> ); SLP device types ( <a href="http://www.hp.com/go/slp/drivers">www.hp.com/go/slp/drivers</a> , <a href="http://www.hp.com/go/slp/print">www.hp.com/go/slp/print</a> ); HP ePrint Mobile Driver ( <a href="http://www.hp.com/go/eprintmobiledriver">www.hp.com/go/eprintmobiledriver</a> )	
Network Protocols	IPv4/IPV6: Apple Bonjour Compatible (Mac OS v10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, XMPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print	
Security	Management security: SNMPv3, SSL/TLS, 802.1X authentication (EAP- PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in	
Dimensions (w x d x h)	516 x 547 x 576 mm	
Weight (without print cartridge)	29.4 kg	29.8 kg
What's in the Box	HP LaserJet Enterprise 500 MFP M525dn (includes built-in automatic two-sided printing, HP Jetdirect 10/100/1000 Base-TX Ethernet embedded print server, embedded solid state drive); power cord; HP 55A Black LaserJet Toner Cartridge, full capacity (~6000 pages); software and documentation on CD-ROM; Getting Started Guide, support flyer, Warranty Guide (where applicable)	HP LaserJet Enterprise 500 MFP M525f (includes built-in automatic two-sided printing, HP Jetdirect 10/100/1000 Base-TX Ethernet embedded print server, embedded HP High-Performance Secure Hard Disk, fax); power cord; fax cable; HP 55A Black LaserJet Toner Cartridge, full capacity (~6000 pages); software and documentation on CD-ROM; Getting Started Guide, support flyer, Warranty Guide (where applicable)
Warranty <sup>5</sup>	One year, next business day, on-site warranty, one-year technical phone support, chat, and e-mail	
<b>Environmental Ranges</b>		
Recommended Temperature	15 to 32.5°C (59 to 90.5°F)	
Storage Temperature	–20 to 40°C (–4 to 140°F)	
Recommended Relative Humidity	30 to 70% RH	
Storage Relative Humidity	10 to 90% RH	
<b>Acoustics</b>		
Power Emissions	Active: 6.7 B(A); Ready: Inaudible	
Sound Pressure (bystander position)	Ready: Inaudible; Active: 54 dB(A); Scanning/Copying: 54dB(A)	
<b>Power Specifications</b>		
Power Supply Required	Input voltage: 100 to 127 VAC (+/- 10%), 50/60Hz (+/- 2 Hz) 8.5A and 220V-240 VAC (+/- 10%), 50/60Hz (+/- 2 Hz) 4.5A	
Power Consumption <sup>6</sup>	780 watts (printing), 785 watts (copying), 30 watts (ready), 9.6 watts (sleep), 0.9 watts (auto-off), 0.2 watts (off)	
<b>Certifications</b>		
Safety	IEC 60950-1+A1 (International), EN 60950-1+A11 +A1 +A12 (IEU), IEC 60825-1, UL/CUL Listed (US/Canada), GS License (Europe), EN 60825-1 (Class 1 Laser/LED Device), Low Voltage Directive 2006/95/EC with CE Marking (Europe); other safety approvals as required by individual countries	
EMC	CISPR 22: 2005+A1/EN 55022: 2006+A1 Class A, EN 61000-3-2: 2006+A1: 2009+A2: 2009, EN 61000-3-3: 2008, EN 55024: 1998+A1+A2, FCC Title 47 CFR, Part 15 Class A (USA), ICES-003, Issue 4, (Canada), GB9254-2008, GB17625.1-2003, EMC Directive 2004/108/EC with CE Marking (Europe), other EMC approvals as required by individual countries	

<sup>1</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see [www.hp.com/go/printerclaims](http://www.hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity.  
<sup>2</sup> First page out time is measured from Tray 2. Exact speed varies depending on the system configuration, software application, driver and document complexity.  
<sup>3</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>4</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 colour LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.  
<sup>5</sup> Varies according to countries. Please check with your local HP sales office for more information.  
<sup>6</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages; this will damage the printer and void the product warranty. Power consumption in Auto-Off mode depends on customer network switch capability, user configuration and network activity. Off-mode power may vary while checking network packets for print jobs.



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# HP LASERJET ENTERPRISE 500 MFP M525 SERIES M525dn • M525f



Manage documents and tasks with ease on the 8-inch colour touchscreen. Use Quick Sets to launch one-touch workflows. Preview, edit, and zoom images prior to scanning. Centrally manage your environment. Protect sensitive business information.



## Productive, easy-to-use desktop MFP

- Manage jobs directly at the MFP, using the 8-inch HP Easy Select colour touchscreen.
- Get exceptional value from using an optional, high-capacity Original HP LaserJet black toner cartridge.<sup>1</sup>
- Boost productivity – get up to 1,600-sheet paper capacity, and print, copy, and scan at impressive speeds.<sup>2</sup>
- Print from virtually anywhere with HP ePrint.<sup>3</sup> Save and print files directly via an easy-access USB port.

## Streamlined workflows and robust scanning features

- Streamline business tasks – HP Quick Sets on the large touchscreen enable one-touch workflows.
- Improve workflow by using touchscreen controls to preview, edit, and digitally send documents at the device.
- Easily send to email, fax, or network folder to incorporate paper documents into digital workflows.<sup>4</sup>
- Automatically remove blank pages in scanned documents to avoid wasted paper.

## Top-flight manageability and security features

- Rely on world-class solutions for deploying, managing, and safeguarding your printing fleet.
- Help increase security and protect business information across your imaging and printing environment.
- Protect documents with PIN printing capabilities, and add security solutions through the hardware integration pocket.<sup>5</sup>

- Extend the capabilities of work-team print environments, using a rich array of easy-to-integrate solutions.

## Outstanding energy- and paper-saving features

- Reduce energy use with HP Auto-On/Auto-Off Technology,<sup>6</sup> and conserve power with Instant-On Technology.<sup>7</sup>
- Use optional HP EcoSMART Fleet to easily create and manage environmental printing policies and practices.<sup>8</sup>
- Conserve resources and save paper – use automatic two-sided printing and PIN printing.
- Easily recycle Original HP LaserJet toner cartridges through HP Planet Partners.<sup>9</sup>

## ecoHIGHLIGHTS

### HP LASERJET ENTERPRISE 500 MFP M525 SERIES

#### ECO INFORMATION

- Save energy – HP Auto-On/Auto-Off Technology turns your printer on when you need it, off when you don't.<sup>1</sup>
- Monitor, manage, and control the impact of your printing environment with HP EcoSMART Fleet.<sup>2</sup>
- Reduce waste – scan, store and distribute documents digitally.
- Reduce paper use by up to 50%, using automatic two-sided printing.



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

<sup>1</sup> HP Auto-On/Auto-Off capabilities subject to printer and settings; may require a firmware upgrade.  
<sup>2</sup> HP EcoSMART Fleet must be purchased separately.

<sup>1</sup> HP LaserJet 55X Black Toner Cartridge not included; please purchase separately. <sup>2</sup> Optional paper capacity up to 1,600 sheets. 1 x 500-sheet paper tray not included; please purchase separately. <sup>3</sup> Requires an Internet connection to the printer. Feature works with any connected Internet- and email-capable device. Requires HP Web Services Account Registration. Print times may vary. For a list of supported documents and image types, see [www.hp.com/go/eprintcenter](http://www.hp.com/go/eprintcenter). And for additional solutions, see [www.hp.com/go/mobile-printing-solutions](http://www.hp.com/go/mobile-printing-solutions). <sup>4</sup> Fax capabilities and the built-in stapler are standard on the HP LaserJet Enterprise 500 MFP M525f. Fax capabilities are available as an upgrade on the HP LaserJet Enterprise 500 MFP M525dn. <sup>5</sup> Solutions deployed through the hardware integration pocket may require additional purchase. <sup>6</sup> HP Auto-On/Auto-Off capabilities subject to printer and settings; may require a firmware upgrade. <sup>7</sup> Compared with products that use traditional fusing. <sup>8</sup> HP EcoSMART Fleet must be purchased separately. <sup>9</sup> Program availability varies. Original HP cartridge return and recycling is currently available in more than 50 countries and territories around the world through the HP Planet Partners program. For more information, or to request return envelopes and bulk collection boxes, visit [www.hp.com/recycle](http://www.hp.com/recycle).

# HP LASERJET ENTERPRISE 500 MFP M525 SERIES

## 500 MFP M525f shown

- 1 Intuitive 8-inch HP Easy Select pivoting touchscreen colour control panel
- 2 50-sheet automatic document feeder with indicator light
- 3 Plate glass scanner handles up to legal size
- 4 Easy-access USB port to save and print files directly
- 5 Hardware Integration Pocket for solution integration<sup>1</sup>
- 6 250-sheet output bin
- 7 Front door allows convenient access to HP all-in-one print cartridge
- 8 100-sheet multi-purpose tray 1 handles heavy custom media up to 53 lb bond and provides easy access to paper jams
- 9 500-sheet input tray 2
- 10 Tray fill indicator
- 11 Power On/Off button
- 12 Home button (returns to home screen)
- 13 Built-in convenience stapler (holds 1500-staple cartridge)
- 14 Built-in automatic two-sided printing
- 15 HP High Performance Secure Hard Disk
- 16 800 MHz processor, 1 GB RAM
- 17 Two internal host USB 2.0 type ports for 3rd-party solutions
- 18 HP Jetdirect Gigabit Ethernet print server
- 19 Access port for optional Kensington style lock
- 20 Hi-Speed USB 2.0 port (for connecting 3rd-party devices)
- 21 Hi-Speed USB 2.0 printing port
- 22 Foreign interface harness (for connecting external devices)
- 23 RJ-11 fax port



<sup>1</sup> Solutions deployed through the Hardware Integration Pocket may require additional purchase.

## SERIES AT A GLANCE



	M525dn MFP	M525f MFP
<b>Part Number</b>	CF116A	CF117A
<b>100-sheet multipurpose tray 1</b>	✓	✓
<b>500 sheet input tray 2</b>	✓	✓
<b>500-sheet paper feeder for trays 3 and 4</b>	Optional	Optional
<b>Automatic two-sided printing</b>	✓	✓
<b>Gigabit Ethernet print server</b>	✓	✓
<b>HP High Performance Secure Hard Disk</b>	Not available	✓
<b>Solid State Disk</b>	✓	Not available
<b>HP LaserJet MFP Analog Fax 500</b>	Optional	✓
<b>Convenience stapler</b>	Not available	✓
<b>ENERGY STAR® Qualified</b>	✓	✓

## ePrint Capabilities

With HP ePrint, you can print from virtually anywhere. You can easily email documents and more from your internet connected device directly to your HP printer – even when you are out of the office.\*

- Use HP ePrint anywhere – as long as your mobile device is connected to the internet – at home on your couch, at the cafe or in the bus.
- + Requires an Internet connection to the printer. Feature works with any connected Internet- and email-capable device. Requires HP Web Services Account Registration. Print times may vary. For a list of supported documents, and image types, see [www.hp.com/go/eprintcenter](http://www.hp.com/go/eprintcenter). And for additional solutions, see [www.hp.com/go/mobile-printing-solutions](http://www.hp.com/go/mobile-printing-solutions).

## HP Auto-On/Auto-Off Technology

Reduce energy, using HP Auto-On/Auto-Off Technology-built-in intelligence that senses network activity, and turns your printer on when you need it and off when you don't.†

- Reduce energy use with HP Auto-On/Auto-Off Technology\*, and conserve power with Instant-On Technology.†
- Help conserve resources and achieve corporate environmental goals. HP Auto-On/Auto-Off Technology helps reduce energy use†. Easily manage printing policies with HP EcoSMART Fleet†. Save paper, with automatic two-sided printing and PIN printing.

† Compared with products that use traditional fusing.  
 \* HP Auto-On/Auto-Off capabilities subject to printer and settings; may require a firmware upgrade.  
 † HP EcoSMART Fleet must be purchased separately.

## Get The Most Out Of Your Printer With HP Accessories, Supplies And Services.



CE530A HP LaserJet 500-sheet Feeder/Tray

Supplies			
CE255A	HP 55A Black LaserJet Toner Cartridge with Smart Printing (yield ~ 6,000 pages)	U5X69E	HP 5 year Next business day Call to repair with Defective media retention LaserJet M525 Multifunction Hardware Support*
CE255X	HP 55X Black LaserJet Toner Cartridge with Smart Printing (yield ~ 13,500 pages)	U5X70E	HP 3 year Second business day Call to repair with Defective media retention LaserJet M525 Multifunction Hardware Support
Maintenance Kits			
L2718A	HP 100 ADF Roller Replacement Kit	U5X71E	HP 4 year Second business day Call to repair with Defective media retention LaserJet M525 Multifunction Hardware Support
Accessories			
CE530A	HP LaserJet 500-sheet Feeder/Tray	U5X72E	HP 5 year Second business day Call to repair with Defective media retention LaserJet M525 Multifunction Hardware Support
CC487A	HP LaserJet MFP Analog Fax Accessory 500		
CF338A	HP LaserJet MFP M525 Cabinet		
J8021A	HP Jetdirect ew2500 802.11b/g Wireless Print Server	U5X73E	HP 4 year Next business day + Defective media retention LaserJet M525 Multifunction printer Support
J8026A	HP Jetdirect 2700w USB Wireless Print Server (available mid-2012)	U5X74E	HP 5 year Next business day + Defective media retention LaserJet M525 Multifunction printer Support
Carepacks			
U5X53A	HP 3 year Next business day LaserJet M525 Multifunction printer Hardware Support	U5X75E	HP 2 year Post Warranty Next business day LaserJet M525 Multifunction printer Hardware Support
U5X53E	HP 3 year Next business day LaserJet M525 Multifunction printer Hardware Support	U5X76E	HP 1 year Post Warranty Next business day + Defective media retention LaserJet M525 Multifunction Support
U5X56E	HP 4 year Next business day LaserJet M525 Multifunction printer Hardware Support	U5X77E	HP 1 year Post Warranty 4 hour 9x5 LaserJet M525 Multifunction printer Hardware Support
U5X57E	HP 5 year Next business day LaserJet M525 Multifunction printer Hardware Support	U5X78E	HP 1 year Post Warranty 4 hour 13x5 LaserJet M525 Multifunction printer Hardware Support
U5X58E	HP 3 year 4 hour 9x5 LaserJet M525 Multifunction printer Hardware Support	U5X79A	HP 1 year Post Warranty Next business day LaserJet M525 Multifunction printer Hardware Support
U5X59E	HP 3 year 4 hour 13x5 LaserJet M525 Multifunction printer Hardware Support	U5X79E	HP 1 year Post Warranty Next business day LaserJet M525 Multifunction printer Hardware Support
U5X60E	HP 4 year 4 hour 9x5 LaserJet M525 Multifunction printer Hardware Support	U5X80E	HP 1 year Post Warranty Second business day Call to repair with Defective media retention LaserJet M525 Multifunction Hardware Support
U5X61E	HP 4 year 4 hour 13x5 LaserJet M525 Multifunction printer Hardware Support	U5X81E	HP 1 year Post Warranty Next business day Call to repair with Defective media retention LaserJet M525 Multifunction Hardware Support*
U5X62E	HP 5 year 4 hour 13x5 LaserJet M525 Multifunction printer Hardware Support		
U5X63E	HP 5 year 4 hour 9x5 LaserJet M525 Multifunction printer Hardware Support		
U5X64E	HP 3 year Next business day + Defective media retention LaserJet M525 Multifunction printer Support		
U5X65E	HP 4 year Channel Partner only Remote and Parts Exchange LaserJet M525 Multifunction printer Service		
U5X66E	HP 5 year Channel Partner only Remote and Parts Exchange LaserJet M525 Multifunction printer Service		
U5X67E	HP 3 year Next business day Call to repair with Defective media retention LaserJet M525 Multifunction Hardware Support*		
U5X68E	HP 4 year Next business day Call to repair with Defective media retention LaserJet M525 Multifunction Hardware Support*		

**Paper**  
 Asia Pacific: [www.hp.com/apac/printingsupplies](http://www.hp.com/apac/printingsupplies)

**Software**  
 Windows Installer, HP PCL 6 discrete driver, Mac Installer, HP Postscript emulation driver

**Solutions**  
 For more solutions information, please visit [www.hp.com/go/gsc](http://www.hp.com/go/gsc)

\* Only available in Australia, China, India, Malaysia, Singapore and Korea.

### Recommended services:

- Same Day Onsite Service:**  
 An HP technician or authorised service provider arrives at your site within four hours after the 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 is received

### These services and additional coverage 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