



# LASERJET ENTERPRISE 500 MFP M525 SERIES

## M525dn • M525f

Manage documents and tasks with ease on the 8-inch color 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.

**Print Speed (Black)<sup>1</sup>:** Up to 42 ppm (Letter)

**Print Resolution:** Up to 1200 x 1200 dpi (Best), HP FastRes 1200 (1200 dpi quality), 600 x 600 dpi with HP Resolution Enhancement technology (Normal)

**Standard Connectivity:** 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

**Duty Cycle<sup>2</sup>:** Up to 75,000 pages

**Duplex Print Options:** Automatic (standard)

**Mobile Printing Capability<sup>3</sup>:** HP ePrint, Apple AirPrint™



(HP LaserJet Enterprise 500 MFP M525f Series with optional 500-sheet tray)



(HP LaserJet Enterprise 500 MFP M525dn)

### Productive, easy-to-use desktop MFP

- Manage jobs directly at the MFP, using the 8-inch HP Easy Select color touchscreen.
- Get exceptional value from using an optional, high-capacity Original HP LaserJet black toner cartridge.<sup>5</sup>
- Boost productivity—get up to 1600-sheet paper capacity, and print, copy, and scan at impressive speeds.<sup>4</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>6</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>7</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>8</sup> and conserve power with Instant-on Technology.<sup>10</sup>
- Use optional HP EcoSMART Fleet to easily create and manage environmental printing policies and practices.<sup>9</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>11</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.



ENERGY STAR<sup>®</sup> Qualified Product

<sup>1</sup>HP Auto-On/Auto-Off capabilities subject to printer and settings.

<sup>2</sup>HP EcoSMART Fleet must be purchased separately.

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

Please recycle your computing hardware and printing supplies. HP asset management and recycling services make responsible disposal easy.



<sup>1</sup>Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>2</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 to satisfy the demands of connected individuals or groups. <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 <http://www.hp.com/go/eprintcenter>. And for additional solutions, see <http://www.hp.com/go/mobile-printing-solutions>. Supports the following devices running iOS 4.2 or later: iPad<sup>®</sup>, iPad<sup>®</sup> 2, iPhone<sup>®</sup> (3GS or later), iPod touch<sup>®</sup> (3rd generation or later). Works with HP's AirPrint<sup>™</sup> enabled printers and requires the printer be connected to the same network as your iOS device. Wireless performance is dependent upon physical environment and distance from the access point. AirPrint, the AirPrint Logo, iPad, iPhone, and iPod touch are trademarks of Apple<sup>®</sup> Inc., registered in the U.S. and other countries. <sup>4</sup>Optional paper capacity up to 1,600 sheets. 1 x 500-sheet paper tray not included; please purchase separately. <sup>5</sup>HP LaserJet 55X Black Toner Cartridge not included; please purchase separately. <sup>6</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>7</sup>Solutions deployed through the hardware integration pocket may require additional purchase. <sup>8</sup>HP Auto-On/Auto-Off capabilities subject to printer and settings; may require a firmware upgrade. <sup>9</sup>HP EcoSMART Fleet must be purchased separately. <sup>10</sup>Compared with products that use traditional fusing. <sup>11</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 <http://www.hp.com/recycle>.

# HP LASERJET ENTERPRISE 500 MFP M525 SERIES

Technical specifications	HP LaserJet Enterprise 500 MFP M525dn (CF116A)	HP LaserJet Enterprise 500 MFP M525f (CF117A)
<b>AIO Functions</b>	Print, copy, scan, digital send, easy access USB drive, solid state drive (optional fax, advanced digital send, wireless)	Print, copy, scan, fax, digital send, easy access USB drive, encrypted hard disk drive (optional advanced digital send, wireless)
<b>Print Speed<sup>1</sup></b>	<b>Black (Letter):</b> Up to 42 ppm; <b>First Page Out<sup>2</sup>:</b> As fast as 8.5 sec	
<b>Print Resolution</b>	<b>Black (Best):</b> Up to 1200 x 1200 dpi; <b>HP FastRes 1200</b> (1200 dpi quality), 600 x 600 dpi with HP Resolution Enhancement technology	
<b>Printer Smart Software Features</b>	HP ePrint, Apple AirPrint™, Open Extensibility Platform, FutureSmart Firmware, Instant-on Technology, HP Auto-On/Auto-Off, print preview, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, job separator	
<b>Standard Printer Languages</b>	HP PCL 6, HP PCL 5c (HP PCL 5c driver available from the Web only), HP Postscript Level 3 emulation, native PDF printing (v 1.4)	
<b>Copy Speed</b>	<b>Black (Letter):</b> Up to 42 cpm	
<b>Copy Features</b>	<b>Number of Copies:</b> Up to 9,999; <b>Reduce/Enlarge:</b> 25 to 400%	
<b>Scan Technology</b>	Charge Coupled Device (CCD)	
<b>Scan Resolution</b>	<b>Enhanced:</b> Up to 600 dpi; <b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 dpi	
<b>Scan Speed</b>	<b>Black (normal, letter):</b> Up to 42 ppm; <b>Color (normal, letter):</b> Up to 32 ppm	
<b>Scan Size Max</b>	<b>ADF:</b> 8.5 x 14 in (216 x 356 mm)	
<b>Fax Resolution</b>	Optional	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 204 x 98 dpi; <b>Black and White (fine):</b> 204 x 196 dpi; <b>Black and White (superfine):</b> 300 x 300 dpi; <b>Black Photo Grayscale:</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
<b>Fax Speed<sup>2</sup></b>	Optional	Up to 33.6 kbps, 6 seconds per page
<b>Fax Features</b>	Optional	<b>Auto Fax Reduction Supported:</b> Yes; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Auto-redialing:</b> Yes; <b>Fax Broadcasting, Max Locations:</b> 100; <b>Fax Delayed Sending:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Speed Dialing, Max Numbers:</b> Up to 100 numbers (each with 100 destinations); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No
<b>Mobile Printing Capability<sup>3</sup></b>	HP ePrint, Apple AirPrint™	
<b>Control Panel</b>	8.0-in (20.3 cm) color LCD with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB 2.0 port; Hardware Integration Pocket	
<b>Processor</b>	<b>Speed:</b> 800 MHz	
<b>Memory</b>	<b>Standard/Maximum:</b> 1 GB	
<b>Durability Ratings</b>	<b>Duty cycle<sup>4</sup>:</b> Up to 75,000 pages; <b>Recommended monthly page volume<sup>5</sup>:</b> Up to 2,000 to 6,000 pages	
<b>Paper</b>	100-sheet multipurpose tray 1, 500-sheet input tray 2, 50-sheet automatic document feeder, Optional 500-sheet tray (add up to 2 trays)	
<b>Input</b>	250-sheet output bin, 100-sheet rear output bin, convenience stapler (only for M525f)	
<b>Output</b>	Automatic (standard)	
<b>Duplex Print Options</b>	Automatic (standard)	
<b>Media Types</b>	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes, labels, cardstock, transparencies, user-defined	
<b>Media Sizes</b>	<b>Tray 1:</b> Letter, legal, statement, executive, oficio, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, envelopes (No. 9, No. 10, Monarch); <b>Tray 2, Optional 500-sheet tray (3, 4):</b> letter, legal, statement, executive, oficio, 5 x 7, 5 x 8	
<b>Media Weight</b>	<b>Tray 1:</b> 14 to 53 lb (straight-through paper path for special media and heavier stock); <b>Tray 2, Optional 500-sheet tray (3, 4):</b> 14 to 32 lb	
<b>Interfaces</b>	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
<b>Wireless Capability</b>	Optional, enabled with purchase of a hardware accessory	
<b>Network Capabilities</b>	Via HP Jetdirect 10/100/1000Base-TX Ethernet embedded print server (standard); 802.3az (EEE); IPsec (standard); 802.11b/g/n wireless networking (optional)	
<b>Fonts and Typefaces</b>	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>	
<b>Dimensions (w x d x h)</b>	<b>Maximum:</b> 20.3 x 21.6 x 22.7 in (516 x 547 x 576 mm), ADF jam door closed, multipurpose tray open, extension out, legal extension flipped	<b>Maximum:</b> 20.3 x 21.6 x 22.7 in (516 x 547 x 576 mm), stapler cover closed, ADF jam door closed, multipurpose tray open, extension, out, legal extension flipped
<b>Weight (with print cartridges)</b>	64.9 lb (29.4 kg)	65.8 lb (29.8 kg)
<b>System Requirements, Windows</b>	<b>PC:</b> Microsoft® Windows® 7, Windows Vista®, Windows® XP (SP2+), Windows Server® 2003 (SP1+), Windows Server® 2008, Windows Server® 2008 R2; 200 MB available hard disk space; operating system compatible hardware system requirements, see <a href="http://www.microsoft.com">http://www.microsoft.com</a> <b>Mac:</b> Mac OS X v10.5, 10.6, 10.7; 200 MB available hard disk space; operating system compatible hardware system requirements, see <a href="http://www.apple.com">http://www.apple.com</a>	
<b>What's in the Box<sup>6</sup></b>	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 (~ 6,000 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 (~ 6,000 pages); software and documentation on CD-ROM; Getting Started Guide, support flyer, Warranty Guide (where applicable)
<b>Warranty</b>	One-year, onsite warranty; one-year technical phone support, chat, and e-mail	
<b>Replacement Cartridges</b>	HP 55A Black LaserJet Toner Cartridge with Smart Printing (yield ~6,000 pages), CE255A; HP 55X Black LaserJet Toner Cartridge with Smart Printing (yield ~13,500 pages), CE255X	
<b>HP Care Packs</b>	HP 3 year NBD LaserJet M525 Multifunction Printer Hardware Support USX53E; HP 4 year NBD LaserJet M525 Multifunction Printer Hardware Support USX56E HP 5 year NBD LaserJet M525 Multifunction Printer Hardware Support USX57E	
<b>Accessories</b>	HP LaserJet 500-sheet Feeder/Tray CE530A; HP LaserJet MFP Analog Fax Accessory 500 CC487A; HP LaserJet MFP M525 Cabinet CF338A; HP Jetdirect ew2500 802.11b/g Wireless Print Server J8021A; HP Jetdirect 2700w USB Wireless Print Server J8026A (available in 2012); HP 100 ADF Roller Replacement Kit L2718A	

## Environmental ranges

<b>Temperature range</b>	Operating: 50 to 90.5° F (10 to 32.5° C) Recommended: 59 to 90.5° F (15 to 32.5° C) Storage: -4 to 104° F (-20 to 40° C)
<b>Humidity range</b>	Operating: 10 to 80% RH Recommended: 30 to 70% RH Non-operating: 10 to 90% RH

## Power

<b>Power Supply Type</b>	Built-in power supply
<b>Power Supply required</b>	Input voltage: 100 to 240 VAC (+/- 10%), 50/60Hz (+/- 2 Hz)
<b>Power Consumption<sup>7</sup></b>	780 watts (printing), 785 watts (copying), 30 watts (ready), 9.6 watts (sleep), 0.9 watts (auto-off), 0.2 watts (off)
<b>Typical Electricity Consumption (TEC)</b>	4.016 kWh/Week

## Safety approvals and requirements

IEC 60950-1+A1 (International), EN 60950-1+A11+A1+A12 (EU), 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

## Electromagnetic emission standard

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

## Acoustic<sup>8</sup>

<b>Power Emissions:</b>	6.7 B(A)
<b>Power Emissions (Ready):</b>	Inaudible
<b>Power Emissions (active, copy or scan):</b>	7.1 B(A)
<b>Pressure Emissions Bystander (active, copy or scan):</b>	57 dB(A)
<b>Pressure Emissions Bystander (active, Printing):</b>	54 dB(A)
<b>Pressure Emissions Bystander (Ready):</b>	Inaudible

<sup>1</sup>Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>2</sup>Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory. <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 <http://www.hp.com/go/eprintcenter>. And for additional solutions, see <http://www.hp.com/go/mobile-printing-solutions>. Supports the following devices running iOS 4.2 or later: iPad®, iPad® 2, iPhone® (3GS or later), iPod touch® (3rd generation or later). Works with HP's AirPrint™ enabled printers and requires the printer be connected to the same network as your iOS device. Wireless performance is dependent upon physical environment and distance from the access point. AirPrint, the AirPrint Logo, iPad, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. <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 Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. <sup>5</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>6</sup>Measured according to ISO 7779 and declared in accordance with ISO 9296; values are subject to change. For current information, see <http://www.hp.com/support>. Configuration tested: HP LaserJet Enterprise 500 MFP M525dn printing simplex on A4 paper. <sup>7</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 value in Auto-Off mode is for Auto-Off/Wake on network and depends on customer network switch capability, user configuration and network activity and may require a firmware upgrade. Off-mode power may vary while checking network packets for print jobs. <sup>8</sup>Declared yield value in accordance with ISO/IEC 19798. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>.



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