ELEVATE YOUR BUSINESS
WITH HIGH-QUALITY COLOR, MANAGEABILITY, AND EXPANDABILITY

HP LASERJET. IT PAYS YOU BACK.[1]

LASERJET ENTERPRISE 500 COLOR M551 PRINTER SERIES
Solution and Feature Guide

CONTENTS

Contact information

Hewlett-Packard Company

300 Hanover Street

Palo Alto, CA 94304-1185

Phone: (650) 857-1501

Fax: (650) 857-5518

Web address: www.hp.com

Contact HP by country:

http://welcome.hp.com/country/us/en/wwcontact_us.html

GETTING TO KNOW THE PRINTER

Welcome to the Solution and Feature Guide for the new HP LaserJet Enterprise 500 color M551 printer series. This powerful color printer makes it easy to produce the brilliant, memorable documents your business needs to stand out. Robust and expandable paper handling, simplified management, enhanced security, and extensibility features make this printer a wise investment.[2]
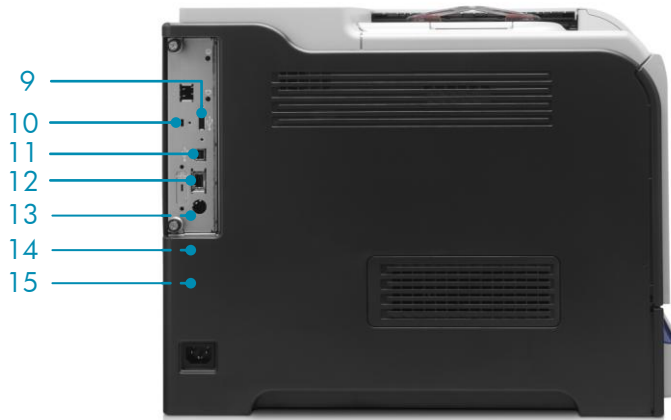
Finding information

This guide provides information to help you learn about the printer's features and functionality. For information on setting up your printer, please refer to the *Installation Guide* included in the box. For detailed instructions on using your printer, please refer to the *User Guide* included on the CD accompanying your printer. For questions or technical details, please use the contact information on page ii to reach an HP representative.

Product walk-around

1 Hardware Integration Pocket for solution integration
2 Walk-up USB port
3 4-line graphical color display
4 Front door allows convenient access to four, all-in-one HP toner cartridges
5 Built-in automatic two-sided printing
6 100-sheet multipurpose tray 1 handles heavy custom media up to 220 g/m^2 (58 lb bond)
7 Convenient front on/off switch
8 Two 500-sheet input trays for a 1,100-sheet total input capacity
9 USB port for adding a third-party device
10 Slot for a cable-type security lock
11 Hi-Speed USB 2.0 printing port
12 HP Jetdirect Gigabit Ethernet embedded print server
13 1024 MB total memory and an 800 MHz processor quickly handle complex print jobs
14 Embedded HP High Performance Secure Hard Disk
15 Two internal host USB 2.0-type ports for adding third-party solutions

Series at a glance

	M551n	M551dn	M551xh
Part number	CF081A	CF082A	CF083A
100-sheet multipurpose tray 1	√	√	√
500-sheet tray 2	√	√	√
500-sheet tray 3	Optional	Optional	√
Two-sided printing	Manual	Automatic	Automatic
HP High Performance Secure Hard Disk			√
Hardware Integration Pocket		√	√
Walk-up USB port		√	√
ENERGY STAR® qualified		√	√

Product comparison

The following table compares the new HP LaserJet Enterprise 500 color M551 printer series with the HP Color LaserJet CP3520 Printer series:

HP LaserJet Enterprise 500 color M551 printer series	HP Color LaserJet CP3520 Printer series	Benefits
Up to 32 ppm A4 (33 ppm letter), color and black-only[3]	Up to 30 ppm A4 (31 ppm letter), color and black-only[3]	Faster output
Hardware Integration Pocket[2]	Not available	Increased security with solution integration such as optional badge/card readers
Walk-up USB port[2]	Not available	Quick and easy printing from flash drives
800 MHz processor	515 MHz processor	Faster processing of device jobs
1024 MB RAM and pre-installed HP High Performance Secure Hard Disk[2]	Up to 512 MB RAM	Better performance and improved print job retention
Up to 1,100-sheet input capacity[2]	Up to 850-sheet input capacity	Higher input capacity minimizes interruptions
Ships with standard-yield cartridges (5,500 pages black and 6,000 pages color)[4]	Ships with starter cartridges (3,000 pages black and 3,000 pages color)	Fewer interventions and reduced costs
Compatibility with HP ePrint[5] and HP FutureSmart	Not available	Mobile printing to empower your workforce; superior investment protection with streamlined firmware updates

TOP FEATURES

The HP LaserJet Enterprise 500 color M551 printer series gives productivity a boost with the power of color. The printer's top features are highlighted below. For a more in-depth look at these features and their benefits, see the pages that follow.

Business-boosting color	HP EasyColor technology detects document content and automatically adjusts color rendering to optimize photos and streamline printing.
	HP ImageREt 3600 and HP ColorSphere combine to produce consistent, professional results with crisp, glossy text and lifelike images.
	Receive value out of the box—the printer ships with a full set of pre-installed Original HP LaserJet toner cartridges.[6]
	The optional high-capacity black toner cartridge can save you time and money.[7]
Market-leading manageability	HP Web Jetadmin and the HP Universal Print Driver enable your administrators to centrally manage imaging and printing fleets composed of both HP and non-HP devices.
	HP Color Access Control lets you curb the costs of color.
	HP ePrint offers solutions for printing within your secure company network[8] or printing to public locations like airports and hotels.[9]
	User authentication and the HP High Performance Secure Hard Disk[2] keep your sensitive documents private.
	HP EcoSMART Fleet lets you monitor and manage your energy usage across the imaging and printing fleet.[10]
Inventive expandability	HP FutureSmart firmware can extend the value of your investments by making it possible to run new solutions on existing hardware while saving your IT workforce time and effort.
	HP Solutions Business Partners offer HP certified solutions to improve productivity by meeting your unique business needs.
	Attach security solutions to the control panel's hardware integration pocket for a seamless appearance.[2]
	The 1,100-sheet paper capacity can reduce intervention and hassle.[2]
Outstanding energy and paper savings	Reduce energy use by 19% to 66% by setting the Auto-On/Auto-Off mode.[11]
	Lower your costs and save energy and paper while delivering outstanding business results with the new HP EcoSMART Console.[12]
	Easy cartridge installation and free cartridge recycling takes the worry out of supplies management.
	Automatic two-sided printing can save you up to 50% on your paper usage.[2]

Business-boosting COLOR

Make your business look its best with high-performance color and cost-effective black-only printing. With the HP LaserJet Enterprise 500 color M551 printer series, you can expect high-quality, glossy text, bold graphics, and vivid images. And you can count on consistent color—page after page, document after document, and toner cartridge after toner cartridge. Choose the optional high-capacity black cartridge[7] to print black text documents at the same cost per page as black-only HP LaserJets.[13]

Say it with color

Produce professional marketing materials that maintain realistic color and crisp detail with HP EasyColor. The culmination of years of HP color innovation, HP EasyColor provides the best color and black-and-white output—combining multiple technology enhancements into one easy-to-use feature. Included with the HP Universal Print Driver, this intelligent technology detects document content and automatically adjusts color rendering to optimize photo quality and compress rasterized images for faster printing.

HP EasyColor first recognizes images in a document. It then uses the generating application's image file pass-through to emulate what you see on the screen, and determines the necessary adjustments for optimal output quality. The results are improved color consistency and sharper, more natural-looking photos.

Because image file sizes are optimized before being sent to the printer, image-heavy documents—such as PowerPoint presentations—may print more quickly with HP EasyColor. And with smaller spool file sizes, network traffic is reduced. Best of all, you don't need to make a series of complex manual adjustments. HP EasyColor is automatically enabled, so you'll effortlessly experience better color printing.

Depend on consistent quality

With HP ImageREt 3600 and up to 1200 x 1200 dpi, you get bold, accurate color and high-quality glossy text for professional, high-quality office documents and marketing collateral. The HP LaserJet Enterprise 500 color M551 printer series is designed together with Original HP toner cartridges and HP papers to automatically produce exceptional output for all your printed documents. For outstanding results when printing images, use HP color laser glossy papers.

Improved melting and fusing technologies work in sync with HP ColorSphere toner to enable exceptional toner release and flow. Producing a wide range of very specific colors and smooth color transitions requires extreme precision throughout the printing process. HP's color toner enables a finer range of colors because each toner particle conforms to an extremely consistent size and shape. This consistency allows toner particles to be placed on the page with the precision needed to produce a wide range of colors with the most subtle differences of shade.

HP ColorSphere toner is also designed to improve printing time. Its toner particles are chemically grown around an optimally sized wax core that is designed to work with the fuser's Instant-on Technology for fast image processing with optimum results.

Start printing right away

Achieve low-cost, high-quality printing right out of the box. This HP LaserJet ships with a complete set of cartridges which contain, on average, nearly two times more black toner and more than two times the color toner of leading competitors.[6,14] Plus, because Original HP toner cartridges are designed for high-volume printing, you replace them less often. An automatic toner seal remover makes cartridge replacement clean and easy. The print cartridge, toner, and imaging drum are integrated into one supply, which means that you refresh the imaging system every time you insert a new cartridge.

- HP Smart printing technology is activated every time you install an Original HP toner cartridge. The HP toner cartridge, printer, and software are designed to work together to enable easy, high-quality laser printing, and allow you to monitor your current supplies, order new supplies online, and print successfully every time.

- When a color cartridge needs to be replaced, HP Smart printing technology lets you continue printing a limited number of pages with the black cartridge, enabling you to finish time-critical projects with consistent, high-quality results.

Print even more pages with the high-capacity black toner cartridge

Save money and minimize interruptions with the optional high-capacity black toner cartridge.[7] With a page yield of approximately 11,000 pages,[4] you'll get the same cost per page as from a black-only HP LaserJet.[13] For details, see "Appendix B—Ordering information" on page 16.

Market-leading MANAGEABILITY

Invest in a printer with management features that add to its value. The intuitive color display and a host of mobile and secure printing options will help you streamline workflows. Monitor product settings with time-saving management tools.
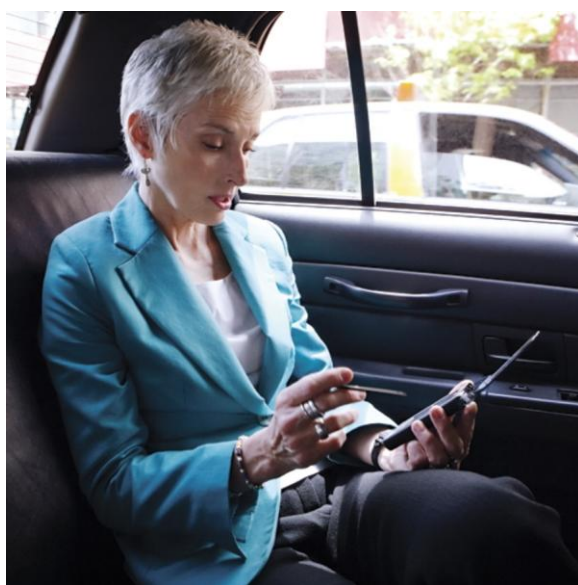
Take advantage of walk-up functionality

- Manage jobs directly from the printer with a four-line color display. Quickly check printer status, cancel or pause print jobs, and more.
- The walk-up USB port on the front of the HP LaserJet Enterprise 500 color M551dn and M551xh printers makes it easy for users to print directly from a flash drive.

Print from virtually anywhere

HP ePrint[5] lets you print directly to your HP LaserJet Enterprise 500 color M551 printer series, using a smartphone, notebook, or other mobile device. HP ePrint works by assigning an email address to your printer—so you, your clients, or your mobile workers can easily print from any device capable of sending email—no print driver required.

Larger documents, presentations, and PDF files can be difficult to read on small, handheld device screens, but now you can easily print these documents from your mobile device to read or take with you. Whether you need to securely print sensitive corporate documents, take an emailed attachment with you on a business trip, or print photos from a visit to a work site, count on HP ePrint to make it simple to print from your mobile device.

When you first enable ePrint, the printer is in unlocked mode. In unlocked mode, anyone who knows your printer's email address can print to it using the ePrint service. At ePrintCenter, you can lock your printer and restrict printing to specific email addresses for added security. For more information about how simple and secure mobile printing can be, visit www.hp.com/go/ePrintCenter.

Enjoy wireless printing

For even more mobility in your workplace, consider adding an HP Jetdirect wireless print server. For details, see "Appendix B—Ordering information" on page 16.

Keep sensitive documents secure

Don't let your documents fall into the wrong hands. With user authentication and a secure hard disk, you can protect your confidential information without obstructing normal document workflow. The HP LaserJet Enterprise 500 color M551 printer series can be set to require a PIN to retrieve print jobs, and the M551xh model uses the pre-installed HP High Performance Secure Hard Disk to protect sensitive data.

HP knows the importance of keeping your confidential data protected and offers security features at every stage in the workflow:

- **HP and third-party pull printing**—Have documents held and released only to the person who printed them. HP Pull Printing Solutions help protect sensitive data by requiring authentication at the device, and give users the flexibility of authenticating at multiple devices. Here's how it works:

1. The user sends the print job to a generic queue on the server.
2. The server holds the job, pending authentication.
3. The user authenticates at the device (via the control panel or optional smartcards, swipe cards, or biometric devices).
4. The printer pulls the job from the server and delivers it to the user.

At HP, we understand that pull printing needs vary by organization. That's why we offer products, software, services, and solutions—including third-party solutions from leading providers—to address your specific security challenges. The Hardware Integration Pocket on the control panel enables advanced security options.[2]

- **Job retention features**—Keep private documents confidential, proof a document before releasing the remaining copies, and store frequently printed jobs at the printer for easy retrieval. Three job retention features are included: Private/Secure Printing, Proof and Hold, and Stored Job.

Private/Secure Printing	Protect confidential documents with the Private/Secure Printing feature. This feature lets you specify that a job will not be printed until you release it using a 4-digit Personal Identification Number (PIN) through the device control panel. When you enter the PIN in the driver, it is sent to the printer as part of the print job.
	For added security, choose end-to-end Secure Encrypted Print. HP UPD is the first fleet driver to provide true symmetric AES256 print job encryption and decryption from the client to the page based on a user-defined password[15] using a FIPS 140 validated cryptographic module from Microsoft®. Both the key and the job are stored encrypted on the printer until they are released by the user.
Proof and Hold	Provides a quick and easy way to print one copy and proof it before printing the remaining copies. You can either continue printing the remaining copies, which have been saved at the device, or cancel them from the device control panel. After the additional copies are printed, the Proof and Hold job is deleted from the device. This reduces network traffic, paper waste, and supplies costs.
Stored Job	Allows you to download a print job to the device without printing it. You can then print the job at any time from the device's control panel. For example, you may want to download a personnel form, calendar, time sheet, or accounting form that other users can access and print.

- **Data protection**—Network-transmitted data can be protected with IPsec, which allows you to encrypt data that travels between the device and digital send destinations (provided you have configured each network resource to use IPsec). Print jobs can also be encrypted using Internet Printing Protocol (IPP) over SSL/TLS.

- **Management safeguards**—Device management data that travels over the network between the device and the HP Embedded Web Server or HP Web Jetadmin can also be encrypted.

- **Password protection**—Stored passwords are encrypted to help ensure protection of this critical information.

- **Hard disk encryption**—Secure your business-critical data with the HP High Performance Secure Hard Disk. Once configured, the hard disk automatically encrypts stored job information (available on the M551xh).

- **Secure File Erase and Disk Erase**—The printer provides built-in capability for overwriting data stored on it, allowing sensitive data to be safely removed. HP offers multiple mechanisms to erase stored data, including sanitized erase functionality that conforms to U.S. National Institute of Science and Technology (NIST) overwrite algorithm specifications (available on the M551xh).

- **Access port for optional Kensington-style lock**—Physically secure the printer from theft. The security access port lets you attach an optional cable-type security lock.

- **Third party validation and best practices:**

  - **U.S. and Canadian Cryptographic Module Validation Program** (CVMP) validates cryptographic modules to U.S. Federal Information Processing Standards (FIPS)140. Hewlett Packard provides solutions that align with this standard in its HP UPD 5.3 Secure Encrypted Print and HP High-performance Secure Hard Disk solutions (available on option #201 of the M551xh model). For more information, see http://csrc.nist.gov/groups/STM/cmvp/index.html.

  - **HP Security Best Practices**. Since 2005, Hewlett Packard has published security best practice checklists for networked environments common to enterprises and small to medium businesses. Hewlett Packard

recommends that customers incorporate recommended security configurations in their environments. For more information, see http://h71028.www7.hp.com/enterprise/downloads/HP-Imaging10.pdf.

Save on color costs

In many businesses, the cost of color is an often-overlooked expense. Now you can efficiently manage color usage with HP Color Access Control. You can restrict color usage by application, by group, and during specified time periods. These measures can help you eliminate unnecessary color use (such as color backgrounds in printed Web pages, a common culprit of color waste).

A broad range of tracking capabilities also let you check to make sure color resources are being properly used. Using HP Web Jetadmin's report-generation function, you can track which devices and users are printing in color and create trend reports to determine if certain users are abusing color or if devices are being over-used.

Optimize your imaging and printing fleet

The HP LaserJet Enterprise 500 color M551 printer series is supported by HP Web Jetadmin, the most comprehensive fleet management tool among tested competitors.[16] This single solution allows you to efficiently manage a wide variety of networked and PC-connected devices, including printers, multifunction products, and scanners. Remotely install, configure, troubleshoot, secure, and manage your devices—ultimately increasing business productivity by helping you save time, control costs, protect your assets, and provide a better return on your investment. HP Web Jetadmin enables you to:

- Gain a clear picture of how many and what kind of devices you have.
- Get visibility into your supplies usage, so you can make smarter purchasing decisions, reduce spending, and even track and allocate printing costs to individual departments or users.
- Simplify, and in many cases, automate routine tasks. For example, you can apply fleet-wide policies to automatically configure new devices with the right printing and security settings when they're added to your network.
- Give your help desk staff the tools they need—such as automatic alerts—to resolve problems quickly, and often proactively, before a call is even received.
- Ensure that your devices are up-to-date with the latest firmware and are properly configured (especially important for organizations that need to meet regulatory requirements).
- Use robust tracking and reporting tools to help you make better decisions about how your devices are deployed across your organization, so you can make the most of your IT investments.
- Take advantage of additional options, like the HP Database Connectivity Module, or HP EcoSMART Fleet[10], which works together with Web Jetadmin to help you establish and achieve environmental goals.
- Get the ultimate in investment protection with HP Web Jetadmin Premium Support. This expanded service option gives your staff access to HP's dedicated software support engineers, who provide advice, usage recommendations, problem diagnosis, and more.

HP Web Jetadmin can benefit IT-managed print environments of all sizes, from large enterprises managing thousands of devices to small businesses with just a handful. For more information about how you can efficiently manage your entire imaging and printing fleet with HP Web Jetadmin—or to download this free software tool—visit www.hp.com/go/wja.

Unlock the power of print with a versatile fleet driver solution

The HP Universal Print Driver (UPD) enables both mobile Microsoft® PC users and traditional desktop users to self-sufficiently access the full features of nearly every HP device in your managed printing environment. With the HP LaserJet Enterprise 500 color M551 printer series, the HP UPD now supports secure, end-to-end encrypted printing, so you can empower users to keep sensitive information private.

Eliminate the clutter on your computer by replacing multiple print drivers with one versatile solution. Empower IT by dramatically reducing the number of drivers they have to manage—and by giving them the tools they need to improve efficiency. With the HP UPD, your IT team can easily adjust device settings to reduce printing costs,

improve security, and meet environmental goals. For example, it's simple to push two-sided printing or quicker sleep times across the fleet. Plus, the valuable tools in the HP UPD Printer Administrator's Resource Kit help you save time and money by streamlining IT tasks, implementing printing policies, and monitoring usage across the enterprise. You can also use the HP UPD in tandem with HP Web Jetadmin to create fleet-wide managed printer lists, reports, and more.

You can download this valuable fleet driver solution and the tools in the Printer Administrator's Resource Kit for free. For more information about how the HP Universal Print Driver can help you protect your imaging and printing investment, simplify management, and boost productivity, visit www.hp.com/go/upd.

Establish and achieve environmental goals

Leveraging your HP Web Jetadmin fleet management software, HP EcoSMART Fleet offers powerful enterprise environmental assessment, management, and reporting for your HP imaging and printing devices.[10] From one intuitive, easy-to-use interface, you can see your energy and resource use and how to adjust your habits and settings to do what's right for the environment and your business.

HP EcoSMART Fleet works with HP Web Jetadmin to give you the information you need to effectively monitor, manage, and control the environmental impact of your fleet. Use real-time data collection to run scenarios to study—and capitalize on—the functions within your printing devices that control energy, carbon footprint, and paper savings. Run straightforward reports for forecasting and detailing environmental improvements and efficiencies to meet and monitor environmental goals.

For an informative video about how the HP EcoSMART Fleet can help you achieve your environmental goals, visit:
http://h30429.www3.hp.com/index.jsp?fr_story=0ba06e774583c2306ad4ff88c583fb47ec63ec28&rf=bm.

Inventive EXPANDABILITY

Enjoy the possibilities of a flexible and expandable printing solution. HP FutureSmart firmware can help you streamline the management of your fleet and conserve your IT resources. Integrated support for a variety of optional solutions let you do more than ever before with your printer. Robust paper handling features mean less intervention and easy operation.

Protect your investment

HP FutureSmart firmware makes updating, managing, and extending the capabilities of the HP LaserJet Enterprise 500 color M551 printer series easier and more consistent. HP FutureSmart is HP's new firmware platform for enterprise printers, scanners, and MFPs. It is the "brain" that controls the HP LaserJet Enterprise 500 color M551 printer series and enables many of its new and exciting features, such as user authentication and encrypted data communication. Designed to adapt to evolving technologies, HP FutureSmart ensures that the device remains viable for years to come—and it provides consistency for IT and end users across all supported devices. HP FutureSmart delivers value by helping protect your imaging and printing investments and by enabling easy management.

HP FutureSmart lets you:

- Quickly manage firmware updates for this printer because a single firmware codebase simplifies and reduces time testing and updating firmware across the HP FutureSmart fleet.

- Streamline the way your business handles print jobs. An advanced job queue makes it easy to access and control print jobs in the queue.

- Help secure your printer and business processes. Set up user profiles and permissions to control access to device functions and capabilities.

- Reduce the time and cost to train new users. A consistent user interface and menu design across all HP FutureSmart devices—including the HP LaserJet Enterprise 500 color M551 printer series—makes the user experience intuitive and familiar.

Add certified solutions

With the HP Solutions Business Partners program, you can tap into HP certified solutions from industry-leading partners. Monitor and optimize printer capabilities, control access to devices, transform the functionality of your printer, and much more. HP works with solution partners to address key areas of business concern, so that you can meet changing business needs.

The Hardware Integration Pocket on your printer makes this all possible.[2] Maximize the return on your hardware investment with optional integrated solutions such as secure authentication via a card reader or a proximity badge reader.[17] To learn more about available infrastructure, management, and workflow solutions, visit www.hp.com/go/gsc.

Reload less often

Improve productivity with an input capacity of up to 1,100 sheets.[2] With the option to load paper in volume or use each tray for a different paper type, you won't need to reload paper as frequently. The printer also makes your life easier by offering automatic two-sided printing for paper up to 163 g/m^2 (43 lb bond).[2]

- The multipurpose tray supports heavy custom media up to 220 g/m^2 (58 lb bond), offering the utmost in versatility.

- Expand your media options. Get media-handling capabilities ideal for a wide variety of media types, including envelopes, labels, transparencies, and card stock. Print on a broad range of media sizes, including A4, letter, legal, 76 x 127 mm (3 x 5 in), and more.

OUTSTANDING energy and paper SAVINGS

It's never been more important to save energy and resources. HP technologies can help. Now you can automate when your printers turn on and off and monitor and manage the impact of your printing environment. Easily recycle used cartridges and prevent wasted paper with two-sided printing.[2]

Rein in energy use

Reduce energy use by 19% to 66%, compared with default mode, by setting the Auto-On/Auto-Off mode.[11] This built-in intelligence senses network activity, and turns your printer on when you need it and off when you don't. Instant-on Technology[18] also helps save energy by quickly and efficiently warming up the printer.

Shrink your carbon footprint

Reduce costs and save energy and paper while delivering outstanding business results with the new HP EcoSMART Console.[12] Accessed through the HP LaserJet Enterprise 500 color M551 printer series' embedded web server, HP EcoSMART Console lets you draw on real-time data to make key decisions about reducing your environmental impact. Easily control sleep and wake modes, set paper policies, and link to energy and carbon footprint information to create a customized energy experience that's just right for you and your business.

ecoHIGHLIGHTS

HP LaserJet Enterprise 500 color M551 printer series

ECO INFORMATION

- Reduce energy use with Auto-On/Auto-Off mode[11] and Instant-on Technology[18]
- Reduce paper use by up to 50 percent using automatic two-sided printing and copying[2]
- Free, convenient cartridge recycling more than 50 countries[19]

ENERGY STAR® Qualified Product[2]

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

Conserve and recycle

- Rely on easy cartridge installation and maintenance with the efficient all-in-one Original HP LaserJet toner cartridges.

- Recycle your toner cartridges—it's easy and free with the HP Planet Partners program, available in more than 50 countries and territories around the world. All Original HP toner cartridges returned to HP through Planet Partners are recycled to recover raw materials or energy. HP never refills, resells, or sends toner cartridges to a landfill.[19]

- Conserve resources and get up to 50% paper savings with automatic two-sided printing.[2] Routinely printing documents on both sides virtually doubles the printer's input capacity and makes paperwork more manageable, freeing up space in your files and on your desk.

A—TECHNICAL SPECIFICATIONS

Print speed[3]	Color and black-only: up to 32 ppm A4 (up to 33 ppm letter)
First page out[20]	As fast as 11 seconds from Ready (A4/letter)
Print resolution	HP ImageREt 3600 technology; up to 1200 x 1200 dpi
Control panel	4-line graphical color display, 3 lights (Attention, Data, Ready), 7 buttons (Help, Menu, OK, Stop, Back, Down, Up)
Advanced features	HP ePrint; HP FutureSmart firmware; Auto-On/Auto-Off M551dn also includes: Walk-up USB; Hardware Integration Pocket; two-sided printing M551xh also includes: Walk-up USB; Hardware Integration Pocket; two-sided printing; HP High Performance Secure Hard Disk (AES 128 encryption); 500-sheet input tray 3
Processor	800 MHz
Memory	1024 MB RAM (not upgradable)
Durability ratings	Recommended monthly volume: 1,500 to 5,000 pages[21] Duty cycle: up to 75,000 pages (A4/letter)[22]
Paper	
Input	M551n, M551dn: 100-sheet multipurpose tray 1, 500-sheet tray 2 M551xh: 100-sheet multipurpose tray 1, 500-sheet tray 2, 500-sheet input tray 3
Output	250-sheet output bin
Two-sided printing	M551n: Manual M551dn, M551xh: Automatic
Sizes	Multipurpose tray 1: 76 x 127 mm (3.0 x 5.0 in) to 216 x 356 mm (8.5 x 14 in); A4, RA4, A5, B5 (JIS), B6 (JIS), 10 x 15 cm, A6, 16K; letter, legal, executive, statement, 4 x 6, 3 x 5, 5 x 7, 5 x 8, postcard (JIS), double postcard (JIS), 8.5 x 13; envelopes (B5, C5 ISO, C6, DL ISO, No. 10, No. 9, Monarch) Tray 2: 102 x 148.5 mm (4.0 x 5.85 in) to 216 x 297 mm (8.5 x 11.69 in); A4, A5, B5 (JIS), B6 (JIS), 10 x 15 cm, A6, 16K; letter, executive, statement, 4 x 6, 5 x 7, 5 x 8, double postcard (JIS) Tray 3: 148.5 x 216 mm (5.85 x 8.5 in) to 210 x 356 mm (8.27 x 14 in); A4, RA4, A5, B5 (JIS), 16K; letter, legal, executive, 8.5 x 13 Automatic two-sided printing unit: A4, A5, B5 (JIS); letter, legal, executive
Weights	Multipurpose tray 1: 60 to 216 g/m^2 (16 to 57 lb) plain paper, 105 to 220 g/m^2 (28 to 58 lb) glossy paper Tray 2: 60 to 163 g/m^2 (16 to 43 lb) plain paper, 105 to 220 g/m^2 (28 to 58 lb) glossy paper Tray 3: 60 to 176 g/m^2 (16 to 47 lb) plain paper, 105 to 220 g/m^2 (28 to 58 lb) glossy paper Two-sided printing: 60 to 163 g/m^2 (16 to 43 lb) automatic duplex, 60 to 220 g/m^2 (16 to 58 lb) manual duplex
Types	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined
Interfaces	M551n: 1 Hi-Speed USB 2.0 host port; 1 Hi-Speed USB 2.0 device port; 1 Gigabit Ethernet 10/100/1000 Base-TX network port; 2 internal USB host ports M551dn and M551xh: 2 Hi-Speed USB 2.0 host ports; 1 Hi-Speed USB 2.0 device port; 1 Gigabit Ethernet 10/100/1000 Base-TX network port; 1 Hardware Integration Pocket; 2 internal USB host ports
Network capabilities	Via HP Jetdirect 10/100/1000 Base-TX Ethernet embedded print server; 802.3az (EEE); IPsec
Languages	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)
Fonts	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 www.hp.com/go/laserjetfonts

Operating systems	32-bit and 64-bit versions: Windows 7, Windows Vista, Windows XP® (SP2 and higher), Windows Server 2003 (SP1 and higher), Windows Server 2008; Windows Server 2008 R2 64-bit
	Citrix and Windows Terminal Services (see whitepapers at www.hp.com/go/upd, Documentation tab)
	Mac OS X v 10.5, 10.6
	Novell (see www.novell.com/iprint); Linux (see www.hplip.net); UNIX (see www.hp.com/go/unix, www.hp.com/go/unixmodelscripts, and www.hp.com/go/jetdirectunix_software); SAP device types (see www.hp.com/go/sap/drivers and www.hp.com/go/sap/print)
Network protocols	IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall
	IPv6: DHCPv6, MLDv1, ICMPv6
	IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print
	Other: NetWare NDS, Bindery, NDPS, HP ePrint
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
System requirements, Windows	Windows 7, Windows Vista, Windows XP (SP2 and higher), Windows Server 2003 (SP1 and higher), Windows Server 2008, Windows Server 2008 R2; 200 MB available hard disk space; for operating system compatible hardware system requirements, see www.microsoft.com
System requirements, Macintosh	Mac OS X v 10.5, 10.6; 150 MB available hard disk space; for operating system compatible hardware system requirements, see www.apple.com
Dimensions (width x depth x height)	M551n: 514 x 491 x 385 mm (20.2 x 19.3 x 15.2 in)
	M551dn: 514 x 491 x 402 mm (20.2 x 19.3 x 15.8 in)
	M551xh: 514 x 491 x 565 mm (20.2 x 19.3 x 22.2 in)
Weight (including print cartridge)	M551n: 34 kg (74.8 lb)
	M551dn: 34.6 kg (76.1 lb)
	M551xh: 42.2 kg (92.8 lb)
What's in the box	Printer, four pre-installed HP LaserJet toner cartridges that yield approximately 5,500 pages black and 6,000 pages color,[4] toner collection unit, HP Jetdirect Gigabit Ethernet embedded print server, in-box documentation (Getting Started Guide), software drivers and documentation on CD-ROM, power cable, 100-sheet multipurpose tray 1, 500-sheet input tray 2
	M551dn also includes: Built-in automatic two-sided printing
	M551xh also includes: Built-in automatic two-sided printing, HP High Performance Secure Hard Disk (AES 128 encryption), 500-sheet input tray 3
Warranty	One-year, next-day, onsite limited warranty

Environmental and power specifications

Environmental ranges	
Recommended temperature	15 to 27° C (59 to 80.6° F)
Storage temperature	0 to 35° C (32 to 95° F)
Recommended relative humidity	20 to 60%
Storage relative humidity	10 to 90%
Acoustics	
Sound power emissions[23]	Active: 6.6 B(A); Ready: 4.4 B(A)
Sound pressure (bystander position)	Active: 52 dB(A); Ready: 30 dB(A)
Power specifications	ENERGY STAR qualified models, see www.hp.com/go/energystar
Power supply required	Input voltage 115 to 127 VAC (± 10%), 60 Hz (± 2Hz), 12 A; 220 to 240 VAC (± 10%), 50 Hz (± 2 Hz), 6 A
Power consumption[24]	Printing: 605 watts, Ready: 51 watts, Sleep: 6.9 watts, Manual Off: 0.3 watts, Auto-Off: 1 watt
Typical Electricity Consumption (TEC)	4.053 kWh/Week
Safety approvals and requirements	IEC 60950-1 (International); EN 60950-1 +A11 (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 B, EN 61000-3-2: 2006, EN 61000-3-3:2008, EN 55024: 1998 +A1+A2, FCC Title 47 CFR, Part 15 Class B (USA), ICES-003, Issue 4, (Canada), GB9254-2008, EMC Directive 2004/108/EC with CE Marking (Europe), other EMC approvals as required by individual countries

B—ORDERING INFORMATION

Printers	HP LaserJet Enterprise 500 color M551n	CF081A
	HP LaserJet Enterprise 500 color M551dn	CF082A
	HP LaserJet Enterprise 500 color M551xh	CF083A
HP Color LaserJet Toner Cartridges[4]	Black Toner Cartridge (~5,500 pages)	CE400A
	Black Toner Cartridge, high capacity (~11,000 pages)	CE400X
	Cyan Toner Cartridge (~6,000 pages)	CE401A
	Yellow Toner Cartridge (~6,000 pages)	CE402A
	Magenta Toner Cartridge (~6,000 pages)	CE403A
Supplies	Toner Collection Unit	CE254A
	110 Volt Fuser Kit	CE484A
	220 Volt Fuser Kit	CE506A
Accessories	HP 500-sheet Paper and Heavy Media Tray	CF084A
Connectivity	HP Jetdirect ew2500 802.11b/g Wireless Print Server	J8021A
	HP Jetdirect 2700w USB Wireless Print Server[25]	J8026A
HP Care Pack Services	3-year Next Business Day Hardware Support (physical)	HZ619A
	3-year Next Business Day Hardware Support (electronic)	HZ619E
	4-year Next Business Day Hardware Support	HZ627E
	5-year Next Business Day Hardware Support	HZ628E
	3-year 4-hour 9x5 Hardware Support	HZ620E
	3-year 4-hour 13x5 Hardware Support	HZ621E
	4-year 4-hour 9x5 Hardware Support	HZ622E
	4-year 4-hour 13x5 Hardware Support	HZ623E
	5-year 4-hour 9x5 Hardware Support	HZ624E
	5-year 4-hour 13x5 Hardware Support	HZ625E
	Network Install Mid-High Color LaserJet SVC	H2872E
	3-year Next Business Day Hardware Support + Disk Memory Retention Support	HZ750E
	4-year Next Business Day Hardware Support + Disk Memory Retention Support	U0B15E
	5-year Next Business Day Hardware Support + Disk Memory Retention Support	U0B16E
	3-year 2nd Business Day Hardware Support + Disk Memory Retention Support	U0B17E
	4-year 2nd Business Day Hardware Support + Disk Memory Retention Support	U0B18E
	5-year 2nd Business Day Hardware Support + Disk Memory Retention Support	U0B19E
	3-year Next Business Day + Defective Media Retention Support	HZ626E
	4-year Next Business Day + Defective Media Retention Support	HZ629E
	5-year Next Business Day + Defective Media Retention Support	HZ630E
Paper	North America: www.hp.com/go/paper	
	Europe: www.hp.com/go/learnaboutsupplies	
	Asia Pacific: www.hp.com/apac/printingsupplies	
	Latin America: contact HP via phone: USA: 1-800-477-5010, Europe: +800 7644 7644, Asia: 65-6253-8500	
	Australia/New Zealand: 61-2997-2299LAR, Brasil: sac 0800 70 300 70	
Software	HP Web Jetadmin: www.hp.com/go/wja	
	HP Universal Print Driver: www.hp.com/go/upd	
	HP Install Network Printer Wizard: www.hp.com/go/inpw_sw	
Solutions	HP BarCodes & More	HG281TS
	HP Scalable BarCode Font Set	HG282TT
	HP MICR Font	HG283TS

Use accessories and supplies specifically designed for the product to ensure optimal performance. To order the accessories and supplies listed here, go to www.hpshopping.com (U.S. only). If you don't have access to the Internet, contact your qualified HP dealer, or call HP (U.S.) at (800) 282-6672.

End notes

[1] Based on energy, paper, and toner savings from regular printer usage. Results may vary.

[2] Standard and optional features vary by model. Please see "Series at a glance" on page 2 for more information.

[3] Measured using ISO/IEC 24734, excludes first set of test documents. For more information see www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

[4] Toner cartridge yields established using ISO/IEC test standards. Actual yields and costs vary considerably depending on images printed, number of color pages printed, and other factors.

[5] Requires an Internet connection to the printer. Feature works with any Internet- and email-capable device. Print times may vary. For a list of supported documents and image types, see www.hp.com/go/eprintcenter. Some HP LaserJet products will require a firmware upgrade.

[6] Using genuine HP supplies ensures availability of all HP printing features.

[7] The HP 507X Black LaserJet toner cartridge is not included; please purchase separately.

[8] HP ePrint Enterprise requires Internet- and email-capable BlackBerry® smartphone OS 4.5 or newer, iPhone® 3G or newer, running iOS 4.2 or later, HP webOS devices running webOS 1.45 or 2.0, or Android™ device running version 1.4 or newer, with separately purchased wireless Internet service, HP ePrint Enterprise server software and HP ePrint services app. Solution works with PCL5/6, PCL3, PCL3GUI printers (HP and non-HP). BlackBerry requires BlackBerry Enterprise Server (BES) deployment.

[9] Usage of HP ePrint at mobile print locations requires Internet- and email-capable smartphone with separately purchased wireless Internet service, and the HP ePrint services app. Availability and cost of printing varies by mobile print location. Visit www.hp.com/go/eprintmobile to view the list of applicable smartphones and operating systems.

[10] HP EcoSMART Fleet is available by separate purchase only.

[11] Energy savings based on internal HP testing of Auto-On/Auto-Off setting compared to default setting. Minimum savings based on a 45-minute sleep delay. Maximum savings based on a 1-minute sleep delay. Actual results may vary.

[12] Expected availability late 2011. May require a firmware upgrade. Some solutions may not be available at product introduction.

[13] Compared with HP LaserJet Enterprise P3015 series. Assuming customer is printing at least 30% of total pages in color with content similar to the color ISO/IEC 19798 test suite (www.iso.org/jtc1/sc28) and overall average job length of three pages. Yields established using ISO/IEC test standards. Actual yields and costs vary considerably depending on images printed, number of color pages printed, and other factors.

[14] Based on the amount of black and color toner that ships with the printer and the majority of top competitive printers by market share as reported by Gap Intelligence as of 8/1/11.

[15] Based on the manufacturers' published product specifications.

[16] Based on the manufacturers' published product specifications and HP-commissioned April 2010 Buyer's Lab Inc. (BLI) testing of each vendor's fleet-management utilities. Download HP Web Jetadmin for free at www.hp.com/go/wja.

[17] Solutions deployed through the Hardware Integration Pocket may require additional purchase.

[18] Compared with products that use traditional fusing.

[19] Program availability varies. HP print 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.

[20] Exact speed varies depending on the system configuration, software application, driver and document complexity.

[21] 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.

[22] 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.

[23] Declared per ISO 9296 and 7779; values are subject to change. Configuration tested: HP LaserJet Enterprise 500 color M551dn bundle tested simplex printing, A4 paper at an average of 32 ppm.

[24] Values subject to change. Power numbers are the highest values measured using all standard voltages.

[25] The HP Jetdirect 2700w USB Wireless Print Server will be available for purchase Spring 2012.

To learn more, visit www.hp.com

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