Data sheet

HP Color LaserJet Enterprise M653 series



This HP Color LaserJet with JetIntelligence merges performance, energy efficiency, and security.

This HP Color LaserJet Printer with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network with the industry's deepest security.



HP Color LaserJet Enterprise M653dn



HP Color LaserJet Enterprise M653x

The world's most secure printing1

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help prevent potential attacks and take immediate action with instant notification of security issues.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.
- Give workgroups what they need to succeed. Choose and deploy over 175 HP and third-party security features.

High speed performance meets energy efficiency

- Speed through tasks and save paper. Print two-sided documents at up to 60 images per minute.3
- This printer wakes up fast and prints your first page faster—in as quickly as 7.7 seconds.4
- This printer uses exceptionally low amounts of energy thanks to its innovative design and toner technology.5
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes 4 x 6" to legal.

More Pages, Performance, and Protection⁶

- ColorSphere3 toner formulation, combined with an automatic media sensor, help provide leading print quality.
- Original HP Toner Cartridges with JetIntelligence supply 46% more pages per color cartridge vs predecessor.⁶
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Spend less time replacing toner, and more on business. Choose high-yield toner cartridges.

¹ Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit hp.com/go/Printers fratProtect. For more information: hp.com/go/Printersecurityclaims.² HP Web Jeadmin is available for download at no additional charge at hp.com/go/Webjetadmin.³ Neasured 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.⁴ Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep. ⁵ Energy claim based on TEC data reported on energystar.gov as of January 2017. Data normalized to determine energy efficiency of in-class laser printers with published speed of 50 to 60 ppm. Subject to device settings. Actual results may vary.⁶ More pages versus predecessor cartridges claim based on page-yield comparison of HP M647A and HP 648A Color Original LaserJet Toner Cartridges with HP 656X High Yield Color Original Laser Jet Toner Cartridges. For more information, see hp.com/go/learnaboutsupplies ⁷ HP 656X High Yield Original Laser Jet Toner Cartridges on included; please purchase separately.

Product walkaround

- 1. 500-sheet output bin
- 2. Front door access to toner cartridges
- 3. Wi-Fi Direct printing⁶/Bluetooth Low Energy⁸
- 4. Built-in automatic two-sided printing
- 5. 550-sheet tray 2
- 6. 550-sheet tray 3
- 7. 4.3-inch (10.9 cm) icon-based color touchscreen
- 8. Hardware Integration Pocket²
- 9. Easy-access USB port
- 10. 100-sheet multipurpose tray 1
- 11. Lower right door (access to print path)
- 12. Slot for cable-type security lock
- 13. Built-in Gigabit Ethernet
- 14. Hi-Speed USB 2.0 printing port
- 15. USB port for connecting external USB devices



HP Color LaserJet Enterprise M653x

Series at a glance





Model	HP Color LaserJet Enterprise M653dn	HP Color LaserJet Enterprise M653x
Product number	J8A04A	J8A05A
Print speeds (letter/A4) ⁴ *Pages per minute (ppm)	Up to 60/56 ppm*	Up to 60/56 ppm*
Control panel	4.3-inch (10.9 cm) icon-based color touchscreen	4.3-inch (10.9 cm) icon based color touchscreen
Automatic two-sided printing	√	√
100-sheet tray 1, 550- sheet tray 2	√	$\sqrt{}$
550-sheet paper feeder⁵	Optional (up to two)	√ (plus up to one optional)
550-sheet paper feeder with stand and cabinets	Optional	Not available
3x550-sheet paper feeder and stands	Optional	Not available
1x550-sheet/2,000-sheet HCl feeder and stand ⁵	Optional	Not available
Direct mobile printing	Optional wireless direct ⁶ /NFC ⁷	Embedded Wi-Fi Direct®;/ Bluetooth® Low Energy®
Wireless networking	Optional ⁹	Optional ⁹

¹ Built-in automatic two-sided printing is not supported on the M652n model. ² Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. ³ An administrator must enable the easy-access USB port before use.

⁴ Measured using ISO/IEC 24734; excludes first set of test documents. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. All models come with 100-sheet multipurpose tray 1 and 550-sheet tray 2. In addition, the M652n, M652dn, and M653dn models can add up to two additional 550-sheet paper feeders; or, they can add one of the other accessories (550-sheet paper feeder with stand and cabinet, 3x550-sheet HCI feeder and stand, or 1x550- sheet/2,000 one 550-sheet paper feeder; it does not support any other paper-handing accessories. ⁶Wi-Fi Direct printing is embedded in the HP Color Laser/let Enterprise M653x model. All other models can add wireless direct by purchasing the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device needs to be connected directly to the signal of a Wi-Fi Direct supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see hp.com/go/mobileprinting. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance[®]. ⁷ Touch-to-print capability is optional for all models (except the M653x) with the purchase of the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see hp.com/go/mobileprinting. ⁸ Bluecoth Low Energy is standard only on the HP Color Laser/let Enterprise M653x, and it cannot be added to other models. Bluetooth® is a trademark owwed by its proprietor and used by HP Inc. under license. ⁹ All models can add wireless networking with the purchase of the optional HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections.

HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

Next Business Day Onsite with Defective Media Retention:

Customers can retain their hard disk drive and keep control of sensitive data.

Same Day Onsite - 4 hour 9x5:

Sends an HP technician to customers' site the same business day for repair, within 4 hours, if the issue cannot be resolved through remote support. Various support window times are available, for different requirements.

For carepack availability visit: hp.com/qo/cpc













Top features

Only HP enterprise printers repair themselves from attacks in real time while offering outstanding manageability. Automatically monitor threats, detect intrusions, and validate operating software while centrally managing your fleet with ease.

With speeds of up to 60 pages per minute², fast first page out and a variety of paper-handling options, you get confidence that your employees can speed through their tasks without interruption.

Get more pages and help protect your printer using Original HP Toner cartridges with JetIntelligence.³

Accessories

P1B09A - HP Color LaserJet 550-sheet Paper Feeder

P1B10A - HP Color LaserJet 550-sheet Paper Feeder with Stand and Cabinet

P1B11A - HP Color LaserJet 3x550-sheet Paper Feeder with Stand

P1B12A - HP Color LaserJet 1x550/2000-sheet Feeder and Stand

J8031A - HP Jetdirect 2900nw Print Server

J8030A - HP Jetdirect 3000w NFC/Wireless Accessory

F5S62A - HP Trusted Platform Module Accessory

B5L28A - HP Internal USB Ports

B5L29A - HP Secure High Performance Hard Disk Drive E5K48A - HP 1GB DDR3 x32 144-Pin 800MHz SODIMM

Supplies

CF450A - HP 655A Black Original LaserJet Toner Cartridge (~12,500 pages)

CF460X - HP 656X High Yield Black Original LaserJet Toner Cartridge (~27,000 pages)

CF451A - HP 655A Cyan Original LaserJet Toner Cartridge (~10,500 pages)

CF461X - HP 656X High Yield Cyan Original LaserJet Toner Cartridge (~22,000 pages)

CF452A - HP 655A Yellow Original LaserJet Toner Cartridge (~10,500 pages)

CF462X - HP 656X High Yield Yellow Original LaserJet Toner Cartridge (~22,000 pages)

CF453A - HP 655A Magenta Original LaserJet Toner Cartridge (~10,500 pages)

CF463X - HP 656X High Yield Magenta Original LaserJet Toner Cartridge (~22,000 pages)

P1B91A - HP LaserJet 110V Maintenance Kit (~150,000 pages)

P1B92A - HP LaserJet 220V Maintenance Kit (~150,000 pages)

P1B93A - HP LaserJet Image Transfer Belt Kit (~150,000 pages)

P1B94A - HP LaserJet Toner Collection Unit (~100,000 pages)

Services

U9NZ6E - HP 3 year Next Business Day Service w/Defective Media Retention

U9NZ9E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention

U9PCOPE - HP 1 year Post Warranty NBD Service w/Defective Media Retention

U9PC2PE - HP 1 year Post Warranty 4 hour 9x5 Service w/DMR

¹ Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit hp.com/go/PrintersThatProtect. For more information: hp.com/go/printersecurityclaims. ² 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. ³ More pages versus predecessor cartridges claim based on page-yield comparison of HP M647A and HP 648A Color Original LaserJet Toner Cartridges with HP 656X High Yield Color Original LaserJet Toner Cartridges. For more information, see hp.com/go/learnaboutsupplies

HP Color LaserJet Enterprise M653 series

Technical Specifications	HP Color LaserJet Enterprise M653dn(J8A04A)	HP Color Laser Jet Enterprise M653x(J8A05A)		
Print speed	Letter: Up to 60 ppm black; Up to 60 ppm color ⁸ ; First Page Out Black; As fast as 5.7 sec; First Page Out Color: As fast as 5.7 sec ¹⁰			
Print resolution	Black(Fine lines): Up to 1200 x 1200	Black(Fine lines): Up to 1200 x 1200 dp; Color (Fine lines): Up to 1200 x 1200 dpi		
Print Technology	Laser; Print Resolution Technologies: HP ImageRet 3600; 600 x 6	500 dpi; HP ProRes 1200 (1200 x 1200 dpi); Pantone© Calibrated		
Print Cartridges Number	4 (1 each black, cya	in, magenta, yellow)		
Standard Print Languages		ilation, native PDF printing (v 1.7), URF (AirPrint)		
Printer Smart Software Features				
Printer Management		Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver		
Standard Connectivity				
	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base- TX network; Hardware Integration Pocket	1 Hi-Speed Device USB 2.0, 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket; 1 Wi-Fi direct 802.11b/g/n; 1 Bluetooth low energy		
Network Capabilities	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (optional).	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (standard).		
Wireless Capability	Optional, enabled with purchase of HP Jetdirect 2900nw Print Server J8031A or HP Jetdirect 3000w NFC/Wireless Accessory J8030A	Yes, Built-in Wi-Fi Direct, Bluetooth low energy; Optional, enabled with purchase of HP Jetdirect 2900nw Print Server J8031A		
Mobile Printing Capability	HP ePrint; Apple AirPrint™; Mopria-certified ⁷	HP ePrint; Wireless direct printing; Apple AirPrint™; Mopria-certified ⁷		
Memory	Standard: 1 GB; Maximum: 2 GB			
Processor Speed	1.2 GHz			
Duty Cycle	Monthly, letter: Up to 120,000 pagesRecommended Monthly Page Volume: 2,000 to 17,000			
Paper Handling	Total system and the second page state and the system and the syst			
	Input Capacities: 100-sheet multi-purpose tray, 550-sheet input tray 2; Up to 650 sheets standard labels legal; Output Capacities: 500-sheet output bin; Up to 500 sheets standard labels legal; Duplex Options: Automatic (standard); Envelope Feeder: No; Standard Paper Trays: 2; Media Types Supported: Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, setra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, perprinted, prepunched, colored, rough, opaque film, user-defined; Media Weight Supported: Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Tray 2 and automatic two-sided printing unit: 16 to 90 lb (plain) 32 to 58 lb (glossy); Optional Trays 3, 4, 5 lx 550-sheet feeders: 16 to 90 lb (plain) 32 to 58 lb (glossy); Optional Tray 4 2,000-sheet high capacity input: 16 to 58 lb (plain); Media Sizes Supported: Tray 1: letter, legal, executive, statement, Oficio, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in; Optional 550-sheet trays: letter, legal, executive, statement, Oficio, 4 x 6 in, 5 x 7 in, 5 x 8 in; Optional 550-sheet trays: letter, legal, executive, statement, Oficio, 4 x 6 in, 5 x 7 in, 5 x 8 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4	Input Capactiles: 100-sheet multi-purpose tray, 550-sheet input tray 2, 3; Up to 1200 sheets standard labels legal; Output Capactiles; 500-sheet output bin; Up to 500 sheets standard label legal; Duplex Options: Automatic(standard); Envelope Feeder No; Standard Paper Trays: 3; Media Types Supported: Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra		
Product Dimensions	W x D x H: 20.08 x 18.03 x 20.08 in; Maximum: 37.91 x 30.31 x 20.08 in	W x D x H: 20.08 x 18.03 x 25.20 in; Maximum: 37.91 x 30.31 x 25.20 in		
Product Weight	68.9 lb 82.7 lb			
What's in the box	HP Color LaserJet Printer; HP Black Original LaserJet Toner Cartridge (~12,500 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~10,500 yield each) (toner cartridges installed); CD with software drivers and documentation; Documentation (Hardware Install Guide); Power cord; 1x550-sheet paper feeder (only J8A05A) ²			
Warranty Features	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region.			
Energy Efficiency Compliance	ENERGY STAR® certified; Blue Angel; EPEAT® Silver; EPEAT® Gold (#AAZ, #201 options only) ENERGY STAR® certified; Blue Angel; EPEAT® Silver; EPEAT® Gold (#AAZ, #201 options only)			
Control Panel	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button			
Display Description	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)			
Software Included	HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals			
Fonts and Typefaces	105 internal TrueType fronts scalable in HP PCL, 92 internal scalable fronts in HP Postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambri			
		rJet Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfonts		
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Dbuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions, Windows Windows VP SP3 32-bit editions (XP Home, XP Pro, etc.)			
Compatible Network Operating Systems	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2012R2, Citrix Presentation Server 4.0/14.5, Citrix KenApp 5.0 (Plus Feature Pack 2 8 3) of Windows Server 2008 (Pack 2 9 3) of Windows S			
Minimum System Requirements	PC: 2GB available hard disk space, OS hardware requirements see microsoft.com; MAC: 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info			
Power	PowerSupplyType:Built in 115V or 220V Power Supply (not dual voltage, power supply varies by part number with option code identifier); PowerRequirements:Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/-3Hz), 6A; PowerConsumption; 780 watts (printing), 31 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto Off/Manual On), 0.1 (Manual Off) ³ ; Typical Electricity Consumption (TEC) number: ES: 2.49 kWh/Week; BA: 2.27 kWh/Week ⁶ ; Blue Angel (Sleep mode); 2.27 kWh/Week ⁵			
Acoustics	Acoustic Power Emissions: 6.9 B(A); Acoustic Pressure Emissions: 54 dB(A) Acoustic Power Emissions: 6.8 B(A); Acoustic Pressure Emissions: 53 dB(A) Acoustic Power Emissions: 6.8 B(A); Acoustic Pressure Emissions: 54 dB(A)			
Operating Environment	Operating Temperature Range: 59 to 86%; Recommended Operating Temperature: 63.5 to 77%; Storage Temperature Range: -4 to 104%; Non-Operating Humidity Range: 10 to 90% RH; Operating Humidity Range: 10 to 90% RH;			
	Recommended Humidity Operating Range: 30 to 70% RH			
Security Management	validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Sec Balloon Security Technology - Constant in-device monitoring for attacks; SureStart Secure Boot - BIOS Integrity Che); SNMPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIPS 140		

¹ EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.peat.net for registration status by country. ² Cartridges included; yields 10,500 color (C/Y/M) and 12,500 black pages. Pages based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies. Pages may vary based on customer printing conditions and usage. ³ 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. ⁴ 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. Energy Star value typically based on measurement of 115V device. ⁵ Based on the BATEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. ⁶ Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies. ⁷ May require a firmware upgrade to be compatible, download at http://www.hp.com/go/support. ⁸ 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. ⁹ Measured using ISO/IEC 17629. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. ¹¹ Measured after 15 min in sleep. Exact speed varies depending on the system configuration, driver, document complexity and time in sleep.

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