Data sheet

HP Color LaserJet Enterprise M651 series

Count on reliable performance and handle high-volume colour printing in the office and on the go.

Count on performance. Print professional-quality, two-sided colour documents—letter and A4—with outstanding reliability.[1] Efficient one-touch printing and mobile printing options plus simple management help you be productive wherever work takes you. Be ready for the future—invest in a printer that can grow with your business with easily upgradeable and extensible solutions.

HP Color LaserJet Enterprise M651n

HP Color LaserJet Enterprise M651dn

HP Color LaserJet Enterprise M651xh

Invest in reliable printing performance
- Tackle printing tasks confidently—with a printer designed for quiet performance and minimal intervention.
- Stay on firm ground—maintain printing productivity thanks to reliable, upgradable firmware.
- Print your best—equip every department with vibrant, consistent, professional-quality printing.

Keep business moving—from virtually anywhere
- Print without wires—or a network. Get easy access to the printer through optional wireless direct printing.[2]
- Mobile printing at a touch—enable touch-to-print convenience from mobile devices.[3]
- Easily print from smartphone, tablets, and notebooks at work, home, or on the go; Mopria-certified.[4]

Ready for the future
- Keep up with the times. Easily update this printer as solutions advance—with HP FutureSmart Firmware.
- Depend on a printer that can expand with your business, with easy and feature upgrades.
- Take the guesswork out of management—centrally monitor and control all your printers with HP Web Jetadmin.[5]
- Help protect sensitive business data with advanced security solutions and an encrypted hard disk.[6]
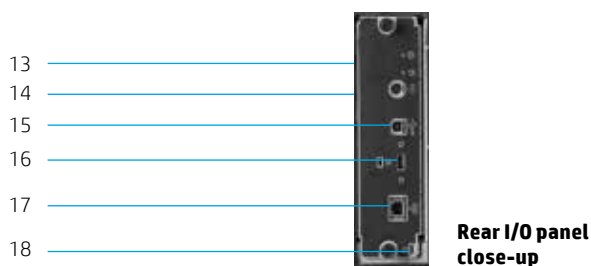
High-volume productivity
- Get exceptional value from Original HP high-capacity ink cartridges.
- Easy control at your fingertips—select settings using the 4.3-inch colour touchscreen.
- Meet the demands of high-volume print jobs—this printer has a paper input capacity of up to 3,100 sheets.[7]

[1] Two-sided printing is not available on the HP Color LaserJet Enterprise M651n. [2] Mobile device may require an app or driver. Wireless performance is dependent on physical environment and distance from the printer. For details, see hp.com/go/businessmobileprinting. Wireless direct printing requires purchase of optional module. [3] Mobile device must support near-field communications–enabled printing. For a list of supported devices, see hp.com/go/businessmobileprinting. Touch-to-print capability requires purchase of optional module. [4] Local printing requires mobile device and printer to be on the same wireless network or have a direct wireless connection. Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4 GHz operations only. Remote printing requires an Internet connection to an HP web-connected printer. App or software and HP ePrint account registration may also be required. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. See hp.com/go/businessmobileprinting for more details. Mopria-certified devices adhere to a common standard that enables easy mobile printing with little or no setup. [5] HP Web Jetadmin is free and can be downloaded at hp.com/go/webjetadmin [6] Encrypted hard disk is available on the HP Color LaserJet Enterprise M651xh only. [7] Maximum paper capacity requires purchase of additional paper trays for the HP Color LaserJet Enterprise M651n and HP Color LaserJet Enterprise M651dn.

Product walkaround

1. Intuitive 10.9 cm (4.3-inch) colour VGA control panel
2. 500-sheet output bin
3. Home button (returns to home screen)
4. Front door provides convenient access to HP toner cartridges and drums
5. Built-in automatic duplexer
6. 500-sheet input tray
7. 2 x 500-sheet paper trays
8. 1,500-sheet high-capacity input tray
9. Hardware integration pocket
10. Easy access USB port to print files directly[1]
11. 100-sheet multipurpose tray supports media weights up to 220 g/m^2 (58 lb bond)
12. Lower-right door (access for clearing jams)
13. HP High-Performance Secure Hard Disk
14. 800 MHz processor, 1 GB RAM
15. Hi-Speed USB 2.0 printing port
16. Hi-Speed USB 2.0 port (for connecting third-party devices)
17. HP Jetdirect Gigabit Ethernet print server
18. Access port for optional Kensington-style lock

HP Color LaserJet Enterprise M651xh shown

Front view

Rear I/O panel close-up

Series at a glance

Model	M651n	M651dn	M651xh
Part number	CZ255A	CZ256A	CZ257A
100-sheet multipurpose tray	✓	✓	✓
500-sheet tray 2	✓	✓	✓
2 x 500-sheet trays and 1,500-sheet HCI with stand	Optional	Optional	✓
Touch-to-print and wireless direct mobile printing	Optional	Optional	Optional
HP High-Performance Secure Hard Disk	Not available	Not available	✓
Automatic duplexer	Not available	✓	✓

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. Choose from:

Optimized Care (optimum performance and stability): 4 hour Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Standard Care (high level of uptime): Next Business Day Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Basic Care (minimum recommended support): Next Business Day Onsite Support

4 hour Onsite Support: Onsite support within four hours after a service call received within the coverage window

Next Business Day Onsite Support: Onsite service the next business day after the service call is received

Maintenance Kit Replacement Service: Onsite replacement of your printer's maintenance kit including parts, materials, and labour

Installation with Network Configuration Service: Assembly, network configuration, and basic administrator familiarization

For more information about HP Care Pack, HP Contractual, or HP Managed Print Services, visit hp.com/go/printservices

Top Features

Achieve the results your business demands. Print high-quality colour documents page after page and complete printing tasks with confidence.

Help workteams keep up with the pace of business—enable printing from any location in your office or on the go with mobile printing options.

Make a smart investment with a printer that can change with the times. Easily upgrade and extend solutions—and keep sensitive data safe.

Keep work moving—and spend less time reloading supplies—with high-capacity cartridges and room for up to 3,100 sheets. This printer's intuitive colour touchscreen makes job setup quick and simple.[1]

Accessories

CZ261A	HP Color LaserJet 500-sheet Paper Tray
CZ262A	HP Color LaserJet 500-sheet Paper Feeder and Cabinet
CZ263A	HP Color LaserJet 2 x 500-sheet, 1,500-sheet High-capacity Paper Feeder and Stand
CC497A	HP LaserJet Postcard Media Insert Tray
J8021A	HP Jetdirect ew2500 802.11b/g Wireless Print Server
J8026A	HP Jetdirect 2700w USB Wireless Print Server
J8029A	HP Jetdirect 2800w NFC/Wireless Direct Accessory
E5K46A	HP NFC/Wireless 1200w Mobile Print Accessory
CE246A	HP Color LaserJet 110V Fuser Kit
CE247A	HP Color LaserJet 220V Fuser Kit
CE249A	HP Color LaserJet Transfer Kit
CE265A	HP 648A Toner Collection Unit

Supplies[2]

CF320A	HP 652A Black Original LaserJet Toner Cartridge (11,500 yield)
CF330X	HP 654X High Yield Black Original LaserJet Toner Cartridge (20,500 yield)
CF331A	HP 654A Cyan Original LaserJet Toner Cartridge (15,000 yield)
CF332A	HP 654A Yellow Original LaserJet Toner Cartridge (15,000 yield)
CF333A	HP 654A Magenta Original LaserJet Toner Cartridge (15,000 yield)

Services

U1UJ2E	HP 3-year 4-hour 9 x 5 Color LaserJet M651 Hardware Support
U1UJ3E	HP 3-year 4-hour 13 x 5 Color LaserJet M651 Hardware Support
U1UJ8E	HP 3-year Next Business Day + Defective Media Retention Color LaserJet M651 Support
U1UJ9E	HP 4-year Next Business Day + Defective Media Retention Color LaserJet M651 Support
U1UK0E	HP 5-year Next Business Day + Defective Media Retention Color LaserJet M651 Support

[1] Maximum paper capacity requires purchase of additional paper trays for the HP Color LaserJet Enterprise M651n and HP Color LaserJet Enterprise M651dn. [2] Average colour 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 hp.com/go/learnaboutsupplies

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HP Color LaserJet Enterprise M651 series

Technical specifications	HP Color LaserJet Enterprise M651n (CZ255A)	HP Color LaserJet Enterprise M651dn (CZ256A)	HP Color LaserJet Enterprise M651xh (CZ257A)
Functions	Print only		
Duplex print options	Manual	Automatic (standard)	
Print speed[1]	**Normal, A4:** Up to 42 ppm black, Up to 42 ppm colour; **Normal, letter:** Up to 45 ppm black, Up to 45 ppm colour		
First page out[2]	**Black (ready):** As fast as 9 sec; **Colour (ready):** As fast as 9 sec		
Print resolution	**Black (best):** Up to 1200 x 1200 dpi; **Colour (best):** Up to 1200 x 1200 dpi		
Print technology	Laser		
Print resolution technologies	HP ImageREt 4800, 600 x 600 dpi, HP ProRes 1200 (1200 x 1200 dpi), HP on-paper calibration Technology		
Print cartridges number	4 (1 each black, cyan, magenta, yellow)		
Printer smart software features	HP ePrint, Apple AirPrint™, Open Extensibility Platform, FutureSmart Firmware, Schedule On and Off technology, Instant-on Technology, HP Auto-On/Auto-Off technology, HP EasyColor, Front-facing USB printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs		
Mobile printing capability[3]	HP ePrint; Optional, Wireless direct printing; Apple AirPrint™; Mobile Apps		
Standard print languages	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF and AirPrint (URF and PDF)		
Printer management	HP Web Jetadmin; HP Utility (Mac)		
Standard connectivity	1 Hi-Speed device USB 2.0; 2 Host USB 2.0 (for third party connections); 1 Accessory (for Kensington Lock); 1 Ethernet		
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); 802.11b/g/n wireless networking (optional). Please note: HP Jetdirect 2800W (J8029A) and HP Jetdirect 2700W (J8026A) accessories cannot be installed at the same time.		
Network ready	Standard (built-in Gigabit Ethernet); Optional Touch-to-print and Wireless Direct		
Wireless capability	Yes, via HP Jetdirect 2700w & HP Jetdirect 2800w NFC/Wireless		
Memory	1.5 GB (System Memory)		
Storage	Solid State Drive (minimum 8 GB volatile storage; Firmware encryption (AES 256) of customer/job data; Secure Cryptographic Erase – Job Data, Secure ATA Erase – Disk)		HP High-Performance Secure Hard Disk, minimum 320 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase – Temporary Job Files, Secure Erase – Job Data, Secure ATA Erase – Disk)
Processor speed	800 MHz		
Duty cycle (monthly)[4]	Up to 120,000 pages; **Recommended monthly page volume:**[5] 2,000 to 17,000 pages		
Hard disk	Not applicable		Standard, minimum 320 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater)
Paper handling			
Input	500-sheet input tray, 100-sheet multi-purpose tray		500-sheet input tray, high-capacity input (2 x 500 & 1 x 1,500 trays) with stand, 100-sheet multi-purpose tray, automatic two-sided printing
Output	500-sheet output bin		
Media type	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy, preprinted, prepunched, coloured, rough), colour transparency, labels, letterhead, envelope, opaque film		
Media weight	**Multipurpose tray:** 60 to 220 g/m²; **500-sheet input trays, Automatic two-sided printing unit:** 60 to 120 g/m² plain paper, 105 to 220 g/m² glossy paper		
Media sizes custom	**Multipurpose tray:** 76 x 127 to 216 x 356 mm; **500-sheet input trays:** 148 x 210 to 216 x 356 mm; **Optional HP Postcard Media Insert Tray (must be installed in tray 2):** 10 x 15 cm		
Dimensions (W x D x H)	550 x 520 x 455 mm (21.7 x 20.5 x 18 in) **Max:** 819 x 863 x 521 mm (32.3 x 34 x 20.5 in)		660 x 665 x 1000 mm (26.0 x 26.0 x 39.4 in) **Max:** 1073 x 1010 x 1073 mm (42.3 x 39.8 x 42.3 in)
Weight	39.1 kg (86.2 lb)		69.6 kg (153 lb)
What's in the box	HP Color LaserJet Printer; Black, Cyan, Magenta, and Yellow HP Color LaserJet Toner Cartridges (installed); CD with software drivers and documentation; Documentation (Hardware Install Guide); power cord; HP Jetdirect Gigabit Ethernet Print Server (embedded); 100-sheet multipurpose tray 1; 500-sheet input tray 2; Support flyer	HP Color LaserJet Printer; Black, Cyan, Magenta, and Yellow HP Color LaserJet Toner Cartridges (installed); CD with software drivers and documentation; Documentation (Hardware Install Guide); power cord; HP Jetdirect Gigabit Ethernet Print Server (embedded); 100-sheet multipurpose tray 1; 500-sheet input tray 2; Automatic duplexer (built-in); Support flyer	HP Color LaserJet Printer; Black, Cyan, Magenta, and Yellow HP Color LaserJet Toner Cartridges (installed); CD with software drivers and documentation; Documentation (Hardware Install Guide); power cord; HP Jetdirect Gigabit Ethernet Print Server (embedded); 100-sheet multipurpose tray 1; 500-sheet input tray 2; Automatic duplexer (built-in); Support flyer; Encrypted Hard Drive, HCI (High Capacity Input)
Warranty features	One-year, onsite warranty		
Energy efficiency compliance	Blue Angel; EPEAT® certified	ENERGY STAR® 2.0; Blue Angel UZ-171; EPEAT® Silver	
Compatible operating systems	Windows XP SP3 or greater (32-bit and 64-bit), Windows Vista (32-bit and 64-bit), Windows 7 (32-bit and 64-bit), Windows 8 (32-bit and 64-bit), Windows Server 2003 SP2 or greater (32-bit and 64-bit), Windows Server 2008 (32-bit and 64-bit), Windows Server 2008 R2 (64-bit), Windows Server 2012 (64-bit), Mac OS X 10.6 Snow Leopard, Mac OS X 10.7 Lion, OS X 10.8 Mountain Lion, OS X 10.9 Maverick. For the latest operating system support see: AirPrint support.apple.com/kb/ht4356, Android Citrix and Windows® Terminal Services (hp.com/go/upd), HP ePrint Software Driver hp.com/go/eprintsoftware, Linux (hplip.net), Novell (novell.com/iprint), SAP device types hp.com/go/sap/drivers, SAP Print hp.com/go/sap/print), UNIX hp.com/go/unix, UNIX JetDirect hp.com/go/jetdirectunix_software, Unix Model Scripts hp.com/go/unixmodelscripts		
Minimum system requirements	**PC:** Windows 8, Windows 7 (SP1 or higher), Windows Vista, Windows XP (SP2 or higher), Windows Server 2003 (SP1 or higher), Windows Server 2008, Windows Server 2008 R2 (64-bit), Windows Server 2012 (64-bit); 200 MB available hard disk space; CD-ROM or DVD drive, or Internet connection; Dedicated universal serial bus (USB 1.1 or 2.0), or network connection; Operating system compatible hardware system requirements see microsoft.com; **Mac:** Mac OS X 10.6 Snow Leopard; Mac OS X 10.7 Lion; OS X 10.8 Mountain Lion; OS X 10.9 Maverick; CD-ROM or DVD drive, or Internet connection; Dedicated universal serial bus (USB 1.1 or 2.0), or network connection; 1 GB of available hard-disk space; Operating system compatible hardware system requirements see apple.com		
Compatible network operating system	HP-UX 10.20, 11.x, 11.i, IBM AIX 3.2.5 or higher, Mac OS x 10.6 Snow Leopard, Mac OS x 10.7 Lion, OS x 10.8 Mountain Lion, OS x 10.9 Maverick, Microsoft Windows 2000, MPE-iX, Citrix MetaFrame Server, Novell 5.1 or higher, Red Hat Linux 7.x or higher, Solaris 2.5 or higher (SPARC systems only), SuSe Linux 8.x or higher, Windows 2003 SP2+ 64-bit, Windows Server 2003 SP2+, Windows Terminal Services, Windows Vista (32-bit and 64-bit), Windows Vista(R) Ready, Windows XP SP3+ 64-bit, Windows XP SP3+ Home, Windows XP SP3+ Professional, Windows XP SP3+ Professional and Windows Vista, Windows 7 SP1 or greater (32-bit and 64-bit), Windows 8 (32-bit and 64-bit), Windows Server 2008 (32-bit and 64-bit), Windows Server 2008 R2 (64-bit), Windows Server 2012 (64-bit), (For Microsoft IPv6 compatibility use Windows 2003, Windows XP Home, Windows XP Professional and Windows Vista)		
Fonts and typefaces	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 hp.com/go/laserjetfonts		
Control panel	10.9 cm (4.3 in) WQVGA 480 x 272 resistive touch display with home button		
Power	**Power supply type:** Built-in power supply; **Power supply required:** 110-volt input voltage: 110 to 127 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz) (Not dual voltage, power supply varies by part number with # Option code identifier); **Power consumption:**[6] Printing: 650 watts, Manual Off: 0.1 watts, Sleep: 8.5 watts, Ready: 67 watts, Auto-Off/Manual On: 0.1W, Auto off/Wake on LAN: 1.9 watts; **Typical electricity consumption (TEC) number:** 4.7 kWh/Week		
Software included	**Windows:** HP Installer/Uninstaller, HP PCL 6 print driver, Wizard, Scan to Folder Setup Wizard, Scan-to-e-mail setup Wizard, HP Send Fax, DXP (Device Experience), HP Help & Learn Center, Product Registration Assist, **Mac:** HP Installer/Uninstaller, HP Postscript driver, HP Utility, HP Alerts, HP Firmware Updater		
Acoustic	**Acoustic power emissions:**[7] 7.1 B(A); **Acoustic power emissions (ready):** 4.9B(A); **Acoustic pressure emissions bystander (active, printing):** 55 dB(A); **Acoustic pressure emissions bystander (ready):** 34 dB(A)		
Environmental ranges	**Operating temperature range:** 10 to 30⁰ C (50 to 86⁰F); **Recommended operating temperature:** 15 to 27⁰ C (59 to 80.6⁰ F); **Non-operating humidity range:** 10 to 90% RH; **Operating humidity range:** 10 to 80% RH; **Recommended operating humidity range:** 30 to 70% RH		
Security management	Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; optional HP and 3rd party advanced authentication solutions (e.g.; badge readers); Network: IPsec/firewall with Certificate; Pre-Shared Key; and Kerberos authentication; Supports WJA-10 IPsec configuration Plug-in; 802.1X authentication (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; hardware integration pocket for security solutions; Security management: Compatible with HP Imaging and Printing Security Center		
Safety approvals and requirements	IEC 60950-1:2005 + A1; EN60950-1:2006 + A11:2010 + A1:2010 + A12:2011; IEC 60825-1:2007 (Class 1 Laser/Led Product); EN 60825-1:2007 (Class 1 Laser/LED Product); UL/cUL Listed (USA/Canada); GS Certificate (Germany, Europe); IEC 62479:2010; EN 62479:2010; Low Voltage Directive 2006/95/EC with CE Marking (Europe); other safety approvals as required by individual countries		
Electromagnetic emission standard	CISPR 22:2008/EN 55022:2010 (Class A), EN 61000-3-2:2006 + A1:2009 + A2:2009, EN 61000-3-3:2008, EN 55024:2010, FCC Title 47 CFR, Part 15 Class A(USA), ICES-003, Issue 4 (Canada), EMC Directive 2004/108/EC with CE Marking (Europe), other EMC approvals as required by individual countries		

[1] 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. [2] Exact speed varies depending on the system configuration, software application, driver and document complexity. [3] May require a firmware upgrade to be compatible, download at hp.com/go/support [4] 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. [5] 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. [6] 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. [7] Acoustic values are subject to change. For current information see hp.com/support. Configuration tested: base model, simplex printing, A4 paper at an average of 42 ppm.

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