

# Product specifications

## Functions

Print, Copy, Scan, Fax, Digital Send, Scan-to-Easy Access

Printer page yield	Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <a href="http://www.hp.com/go/learnaboutsupplies">http://www.hp.com/go/learnaboutsupplies</a> , Actual yields vary considerably based on images printed and other factors. For details see <a href="http://www.hp.com/go/learnaboutsupplies">http://www.hp.com/go/learnaboutsupplies</a>
First page out (ready) black	As fast as 9.2 sec
First page out (ready) color	As fast as 10 sec
Resolution (black)	Up to 1200 x 1200 dpi
Resolution (color)	Up to 1200 x 1200 dpi
Resolution technology	HP ImageREt 3600, 600 x 600 dpi, HP ProRes 1200 (1200 x 1200 dpi), Pantone® Calibrated
Monthly duty cycle	Up to 175,000 pages (printer) 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.
Recommended monthly page volume	3000 to 17,000
Print Technology	Laser
Display	8" (20.3 cm) capacitive-touchscreen, SVGA (800 x 600 resolution), gesture support
Number of print cartridges	4 (1 each black, cyan, magenta, yellow)
Replacement cartridges	HP 652A Black Original LaserJet Toner Cartridge (~11,500 yield) CF320A; HP 653X High Yield Black Original LaserJet Toner Cartridge (~21,000 yield) CF320X; HP 653A Cyan Original LaserJet Toner Cartridge (~16,500 yield)

	CF321A; HP 653A Yellow Original LaserJet Toner Cartridge (~16,500 yield) CF322A; HP 653A Magenta Original LaserJet Toner Cartridge (~16,500 yield) CF323A
Print languages	HP PCL 6, HP PCL 5, HP postscript level 3 emulation, PDF, PDF and AirPrint (URF and PDF)
Automatic paper sensor	Yes
Paper trays, standard	3
Paper trays, maximum	5
Mobile Printing Capability	HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct printing; Mobile Apps
Connectivity, standard	1 Hi-Speed device USB 2.0; 2 Host USB 2.0 (for third party connections); 1 Jetlink; 1 Accessory (for Kensington Lock); 1 Gigabit Ethernet 10/100/1000; 1 Fax; 1 FIH
Connectivity, optional	HP Jetdirect 2700w USB Wireless Print Server J8026A; HP Jetdirect 2800w NFC & Wireless Direct J8029A; HP Jetdirect ew2500 802.11b/g Wireless Print Server J8021A
Network ready	Standard (built-in Gigabit Ethernet); Included Touch to Print and Wireless Direct
Ports	1 Hi-Speed device USB 2.0; 2 Host USB 2.0 (for third party connections); 1 Jetlink; 1 Accessory (for Kensington Lock); 1 Gigabit Ethernet 10/100/1000; 1 Fax; 1 FIH
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

## Minimum system

requirements	<p>OS X 10.6 Snow Leopard; OS X 10.7 Lion; OS X 10.8 Mountain Lion; OS X 10.9 Mavericks; 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</p> <p>Windows 10, 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 <a href="http://www.microsoft.com">http://www.microsoft.com</a></p>
Compatible operating systems	<p>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 10 (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), OS X 10.6 Snow Leopard, OS X 10.7 Lion, OS X 10.8 Mountain Lion, OS X 10.9 Mavericks For the latest operating system support see: Air Print <a href="http://www.support.apple.com/kb/ht4356">http://www.support.apple.com/kb/ht4356</a>, Android Citrix and Windows® Terminal Services (<a href="http://www.hp.com/go/upd">http://www.hp.com/go/upd</a>), HP ePrint Software Driver <a href="http://www.hp.com/go/eprintsoftware">http://www.hp.com/go/eprintsoftware</a>, Linux (<a href="http://www.hplip.net">http://www.hplip.net</a>), Novell (<a href="http://www.novell.com/iprint">http://www.novell.com/iprint</a>), SAP device types <a href="http://www.hp.com/go/sap/drivers">http://www.hp.com/go/sap/drivers</a>, SAP Print <a href="http://www.hp.com/go/sap/print">http://www.hp.com/go/sap/print</a>), UNIX <a href="http://www.hp.com/go/unix">http://www.hp.com/go/unix</a>, UNIX JetDirect <a href="http://www.hp.com/go/jetdirectunix_software">http://www.hp.com/go/jetdirectunix_software</a>, Unix Model Scripts <a href="http://www.hp.com/go/unixmodelscripts">http://www.hp.com/go/unixmodelscripts</a></p>
Memory, standard	2 GB (system memory)
Memory, maximum	2 GB (system memory)
Printer management	HP Web Jetadmin; HP Utility (Mac)
Print speed, color (draft)	Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a> . Exact speed varies depending on the system configuration, software application, driver, and document complexity.
Supported 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, iPrint

Hard disk	Standard, minimum 320 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater)
Paper handling input, standard	100-sheet multipurpose tray, 500-sheet input tray 2, 500-sheet input tray 3, 100-sheet Automatic Document Feeder (ADF), automatic two-sided printing
Paper handling output, standard	500-sheet output bin
Duplex printing	Automatic
Envelope input capacity	Up to 10 envelopes
Finished output handling	Sheetfed
Media sizes supported	Tray 1: A4, A5, A6, B5 (JIS), B6 (JIS); envelopes (C5, B5, C6, DL ISO); 16K; Postcard; Dpostcard; Tray 2, 3, 4: A4, A5, B5 (JIS); 16K; Tray 5: A4
Media sizes, custom	Tray 1: 4.0 x 6.0 to 8.5 x 14 in; Tray 2, 3: 5.8 x 8.3 to 8.5 x 14 in
Media 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
Supported media weight	Tray 1: 16 to 58 lb bond (plain), 28 to 58 lb bond (glossy), 16 to 24 lb (envelopes); Trays 2, 3, 4, 5: 16 to 32 lb bond (plain), 28 to 58 lb bond (glossy)
Media weights by paper path	Tray 1: 60 to 216 g/m <sup>2</sup> (plain), 105 to 220 g/m <sup>2</sup> (glossy); Trays 2, 3, 4, 5: 60 to 120 g/m <sup>2</sup> (plain), 105 to 220 g/m <sup>2</sup> (glossy)
Power	110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz (+/- 2 Hz), 12 A; 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50 Hz (+/- 2 Hz), 6 A (Not dual voltage, power supply varies by part number with # Option code identifier)
Print speed, black (normal)	Up to 45 ppm
Power consumption	797 watts (Printing), 83 watts (Ready), 7 watts (Sleep), 0.07 watts (Manual Off), 1.53 (Auto Off/Wake on LAN), 0.07 (Auto Off/Manual On)

	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 efficiency	ENERGY STAR® qualified; CECP; EPEAT® Silver
Operating temperature range	59 to 86°F
Operating humidity range	30 to 70% RH
Dimensions (W X D X H)	33 x 26.8 x 44.7 in
Dimensions Maximum (W X D X H)	49 x 39.1 x 55.8 in
Weight	171.4 lb
Package weight	213.2 lb
What's in the box	HP Color LaserJet Multifunction 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); Encrypted Hard Drive: 500 capacity sheet paper input w/cabinet; Fax; Fax cable
Print speed, color (normal)	Up to 45 ppm
Cable included	No, please purchase USB cable separately
Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
Post warranty	Please consult web site <a href="http://www.hp.com/support">http://www.hp.com/support</a>
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

FCC

FCC Class A emissions - for use in commercial environments, not residential environments