

Print only

# HP Color LaserJet Enterprise M652dn



**This HP Color LaserJet with JetIntelligence merges performance, energy efficiency, and security.<sup>1</sup>**

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.<sup>1</sup>



## **The world's most secure printing<sup>1</sup>**

- 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.<sup>2</sup>
- Give workgroups what they need to succeed. Easily choose and deploy over 175 HP and third-party solutions.



## **High speed performance meets energy efficiency**

- Speed through tasks and save paper. Print two-sided documents at up to 50 images per minute.<sup>3</sup>
- This printer wakes up fast and prints your first page faster—in as quickly as 8.4 seconds.<sup>4</sup>
- This printer uses exceptionally low amounts of energy thanks to its innovative design and toner technology.<sup>5</sup>
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes 4 x 6" to legal.



## **More Pages, Performance, and Protection<sup>6</sup>**

- ColorSphere3 toner formulation, combined with an automatic media sensor, help provide leading print quality.
- Original HP Toner cartridges with JetIntelligence supply 2X more color pages per cartridge vs. predecessor.<sup>6</sup>
- 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.<sup>7</sup>

## Technical specifications

Functions	Print
<b>Print</b>	
Duplex print options	Automatic (standard)
Print speed <sup>9</sup>	<b>Black (A4, normal):</b> Up to 47 ppm; <b>Black (letter, normal):</b> Up to 50 ppm; <b>Black (A5, landscape):</b> Up to 74 ppm; <b>Black (A4, duplex):</b> Up to 47 ppm; <b>Black (letter, duplex):</b> Up to 50 ppm
First page out <sup>10</sup>	<b>Black (A4, ready):</b> As fast as 6.5 sec; <b>Black (A4, sleep):</b> As fast as 8.5 sec
Print resolution	<b>Black (best):</b> Up to 1200 x 1200 dpi; <b>Black (normal):</b> Up to 600 x 600 dpi; <b>Black (fine lines):</b> Up to 1200 x 1200 dpi
Print technology	Laser
Print resolution technology	HP ImageRet 3600; 600 x 600 dpi; HP ProRes 1200 (1200 x 1200 dpi); Pantone® Calibrated
Print cartridges number	4 (1 each black, cyan, magenta, yellow)
Standard print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7), URF (AirPrint)
Printer management	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
<b>Connectivity</b>	
Standard connectivity	1 Hi-Speed USB 2.0 Device; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket
Mobile printing capability <sup>7</sup>	HP ePrint; Apple AirPrint™; Mopria-certified
Wireless capability	Optional, enabled with purchase of HP Jetdirect Z900nw Print Server J8031A or HP Jetdirect 3000w NFC/Wireless Accessory J8030A
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).
<b>Memory</b>	<b>Standard:</b> 1 GB; <b>Maximum:</b> 2 GB
<b>Processor speed</b>	1.2 GHz
<b>Duty cycle (monthly)</b>	Up to 100,000 pages; <b>Recommended monthly page volume:</b> 2,000 to 14,000
<b>Paper handling</b>	
Input	100-sheet multi-purpose tray, 550-sheet input tray 2; Optional 1x550-sheet paper feeder, optional 1x550-sheet Paper Feeder with Stand and Cabinet, optional 3x550-sheet Paper Feeder with Stand, optional 1x550/2000-sheet HCl Feeder and Stand
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), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined
Media weight	Tray 1: 60-220 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy); Tray 2 and automatic two-sided printing unit: 60 to 163 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy); Optional Trays 3, 4, 5 1x550-sheet feeders: 60 to 163 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy); Optional Tray 4 2,000 high capacity input: 60-163 g/m <sup>2</sup> (plain)
Media sizes custom	Tray 1: 76 x 127 to 216 x 356 mm; Tray 2: 101.6 x 148 to 216 x 356 mm; Optional 550-sheet trays: 101.6 x 148 to 216 x 356 mm; Optional 2,000-sheet high-capacity tray: custom sizes not supported in this tray
<b>Dimensions (W x D x H)</b>	510 x 458 x 482 mm
<b>Weight</b>	31.2 kg
<b>What's in the box<sup>2</sup></b>	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
<b>Warranty features</b>	1 Year Limited Warranty (Next Business Day On-Site)
<b>Systems</b>	
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, 7.8, 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 Ubuntu (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 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Minimum system requirements	<b>PC:</b> 2GB available hard disk space, OS hardware requirements see microsoft.com <b>Mac:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
<b>Fonts and Typefaces</b>	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>
<b>Control panel</b>	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle) display with 24-key pad
<b>Display</b>	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle)
<b>Power</b>	<b>Power supply type:</b> Built in 115V or 220V Power Supply (not dual voltage, power supply varies by part number with option code identifier); <b>Power supply required:</b> Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 12 A; Input voltage: 220V to 240V nominal, (+/-10%) 50 - 60Hz nominal (+/- 3Hz), 6 A; <b>Power consumption<sup>3</sup>:</b> 690 watts (printing), 31 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto Off/Manual On), 0.1 (Manual Off); <b>Typical electricity consumption (TEC) number<sup>4</sup>:</b> 1.93 kWh/Week (Blue Angel); 0.563 kWh/Week (Energy Star 3.0)
<b>Software included</b>	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
<b>Acoustics</b>	<b>Acoustic power emissions:</b> 6.8 B(A); <b>Acoustic Power Emissions (ready):</b> 4.6 B(A); <b>Acoustic Pressure Emissions Bystander (active, printing):</b> 53 dB(A); <b>Acoustic Pressure Emissions Bystander (ready):</b> 31 dB(A)
<b>Environmental ranges</b>	<b>Operating Temperature Range:</b> 15 to 30°C; <b>Recommended Operating Temperature:</b> 17.5 to 25°C; <b>Non-operating Humidity Range:</b> 10 to 90% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Operating Humidity Range:</b> 30 to 70% RH
<b>Security management</b>	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; Intrusion Detection with Red Balloon Security Technology - Constant in-device monitoring for attacks; SureStart Security Check Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, EXEs, ...); Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs
<b>Safety approvals and requirements</b>	EC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013 (EU); EN 60825-1:2014 / IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010 / IEC 62479:2010 Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); UL/CUL Listed and UC CoC (US/Canada); CAN/CSA C22.2 No. 60950-1-07 Amendment 2:2014; Other safety approvals as required by individual countries
<b>Supported network protocols</b>	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, HP ePrint, FTP Print, Google Cloud Print; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Telnet, TFTP Config, FTP File Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x

## Ordering Information

Number	Description
J7Z99A	HP Color LaserJet Enterprise M652dn

### Supplies and Maintenance Kits

Number	Description
CF450A	HP 655A Black Original LaserJet Toner Cartridge (12,500 pages)
CF451A	HP 655A Cyan Original LaserJet Toner Cartridge (10,500 pages)
CF452A	HP 655A Yellow Original LaserJet Toner Cartridge (10,500 pages)
CF453A	HP 655A Magenta Original LaserJet Toner Cartridge (10,500 pages)
CF460X	HP 656X High Yield Black Original LaserJet Toner Cartridge (27,000 pages)
CF461X	HP 656X High Yield Cyan Original LaserJet Toner Cartridge (22,000 pages)
CF462X	HP 656X High Yield Yellow Original LaserJet Toner Cartridge (22,000 pages)
CF463X	HP 656X High Yield Magenta Original LaserJet Toner Cartridge (22,000 pages)
P1B91A	HP LaserJet 110V Maintenance Kit (Up to 150,000 pages)
P1B92A	HP LaserJet 220V Maintenance Kit (Up to 150,000 pages)
P1B93A	HP LaserJet Image Transfer Belt Kit (Up to 150,000 pages)
P1B94A	HP LaserJet Toner Collection Unit (Up to 100,000 pages)

### Accessories

Number	Description
B5L28A	HP Internal USB Ports
B5L29A	HP High-Performance Secure Hard Disk
E5K48A	HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM
F5562A	HP Trusted Platform Module Accessory
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
J8031A	HP Jetdirect Z900nw Print Server
P1B09A	HP Color LaserJet 550-sheet Media Tray
P1B10A	HP Color LaserJet 550 Sheet Paper Tray with Stand
P1B11A	HP Color LaserJet 3x550 Sheet Feeder and Stand
P1B12A	HP Color LaserJet 1x550/2000-sheet HCl Feeder and Stand

### HP Care Packs

Number	Description
U9NZ6E	HP 3 year Next Business Day Service w/Defective Media Retention for Color LaserJet Enterprise M65x
U9NZ7E	HP 4 year Next Business Day Service w/Defective Media Retention for Color LaserJet Enterprise M65x
U9NZ8E	HP 5 year Next Business Day Service w/Defective Media Retention for Color LaserJet Enterprise M65x
U9NZ9E	HP 3 year 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet Enterprise M65x

Protect your investment with HP Care Pack. Let HP certified engineers resolve your technical issues. For more details on HP Care Pack, go to [hp.com/go/cpc](http://hp.com/go/cpc)

### HP Inc. offices

Australia	(613) 8833 5000	<a href="http://hp.com.au">hp.com.au</a>
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Hong Kong	(852) 3077 2688	<a href="http://hp.com.hk">hp.com.hk</a>
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Thailand	(662) 353 9500	<a href="http://hp.com/th">hp.com/th</a>
Vietnam	(848) 3823 4151	<a href="http://hp.com/vn">hp.com/vn</a>

For the following countries, please fax your queries to (65) 6275 6707 Bangladesh, Bhutan, Brunei, Cambodia, Maldives, Nepal, Pakistan, Sri Lanka

### Supported paper

Contact HP via phone: Asia: 65 6253 8500

### Solutions

For more solutions information, please visit [hp.com/go/gsc](http://hp.com/go/gsc)



## Footnotes

<sup>1</sup> 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](http://hp.com/go/PrintersThatProtect). For more information: [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims).

<sup>2</sup> HP Web Jetadmin is available for download at no additional charge at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin).

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

<sup>4</sup> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.

<sup>5</sup> Energy claim based on TEC data reported on [energystar.gov](http://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.

<sup>6</sup> 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](http://hp.com/go/learnaboutsupplies)

<sup>7</sup> HP 656X High Yield Original LaserJet Toner Cartridges not included; please purchase separately.

## Technical specifications disclaimers

<sup>1</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.

<sup>2</sup> Cartridges included; yields 10,500 color (C/M/Y) 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.

<sup>3</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty.

<sup>4</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115V device.

<sup>5</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

<sup>6</sup> 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>.

<sup>7</sup> May require a firmware upgrade to be compatible, download at <http://www.hp.com/go/support>

<sup>8</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

<sup>9</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

<sup>10</sup> 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.

<sup>11</sup> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.

<sup>12</sup> eMMC is non-volatile storage; Firmware encryption (AES 128 or AES 256) of customer/job data; Secure Cryptographic Erase – Job Data; Secure Erase – Disk

<sup>13</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>

To learn more, visit [hp.com](http://hp.com)

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