HP Color LaserJet Enterprise M856dn

Maintain maximum productivity while printing exceptional colour.

Print phenomenal colour while maximising uptime – now with original HP JetIntelligence toner technology. Expect consistently fast output, brilliant prints, and the world's strongest security.[1]

Highlights

- World's most secure printing
- JetIntelligence technology
- Exceptional colour performance
- Minimal interruptions, maximum productivity

ePrint

HP Care Pack

2-sided printing

Low-cost cartridges

Affordability

Anti-fraud protection

Work stands out with exceptional colour performance

- Special print mode for a wider colour range and extra vividness for documents and marketing materials.
- Look professional with vibrant, high-quality colour prints that can stand the test of time.
- Get professional quality and performance with Original HP Toner cartridges with JetIntelligence and drums.
- Produce full-bleed A3 marketing materials by printing on SRA 3 paper and trimming down to size.

The world's most secure printing[1]

- Each printer in your fleet checks its operating code and repairs itself from attacks.
- Your printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.
- Memory activity is monitored to continually detect and stop attacks
- Firmware is automatically checked during startup to determine if it's authentic code – digitally signed by HP.

Minimal interruptions, maximum productivity

- Change the toner and drum in seconds. Both are easily accessible and come already installed out of the box.
- Avoid interruptions with an HP LaserJet printer designed for maximum productivity.
- Tailor this printer to help you meet the needs of your business with a wide range of paper-handling accessories.
- Grab pages and go. This HP LaserJet wakes up quickly and prints fast – up to 56 ppm(A4).[2]

Built with the environment in mind

- Benefit from reduced energy consumption and increased sustainability, up to 78% over predecessors.[3]
- Help save paper right out of the box. The duplex print setting is set at default paper savings mode.[4]
- Help reduce wasted paper, toner, and time by only printing the jobs that are needed with HP Roam for Business.

Product walkaround

HP Color LaserJet Enterprise M856dn shown

1. 10.9 cm (4.3 inch) colour graphics display with touchscreen

2. 500 sheet output bin

3. Front door (access to JetIntelligence toner cartridges and imaging drums)

4. Automatic two-sided printing

5. 550 sheet tray 2 supports media sizes up to 297 x 432 mm (11.7 x 17 inches)

6. Hardware Integration Pocket

7. Easy-access USB port

8. Upper-right door (access to print path)

9. Right door (access to the fuser and print path)

10. 100 sheet multipurpose tray 1 supports media sizes up to 305 x 457 mm (12 x 18 inches) and SRA3

11. 2 Hi-Speed USB 2.0 Host ports

12. Gigabit/Fast Ethernet 10/100/1000Base-TX network port

13. Hi-Speed USB 2.0 device port

Accessories, Supplies and Support

Supplies	W2004A HP 660A Original LaserJet Imaging Drum (65,000 pages65,000 pages)
	W2010A HP 659A Black Original LaserJet Toner Cartridge (16,000 pages)
	W2010X HP 659X High Yield Black Original LaserJet Toner Cartridge (34,000 pages)
	W2011A HP 659A Cyan Original LaserJet Toner Cartridge (13,000 pages)
	W2011X HP 659X High Yield Cyan Original LaserJet Toner Cartridge (29,000 pages)
	W2012A HP 659A Yellow Original LaserJet Toner Cartridge (13,000 pages)
	W2012X HP 659X High Yield Yellow Original LaserJet Toner Cartridge (29,000 pages)
	W2013A HP 659A Magenta Original LaserJet Toner Cartridge (13,000 pages)
	W2013X HP 659X High Yield Magenta Original LaserJet Toner Cartridge (29,000 pages)
Accessories	2MU47A HP Accessibility Assistant
	2NR09A HP 2GB 144-Pin DDR3 TAA Version DIMM
	3JN69A HP Jetdirect 3100w BLE/NFC/Wireless Accessory
	4QL32A HP Legic Secure USB Reader
	5EL03A HP Secure Hard Disk Drive with FIPS Validation (TAA Compliant)
	B5L28A HP Internal USB Ports
	B5L29A HP High-Performance Secure Hard Disk
	B5L31A HP Foreign Interface Harness
	E5K48A HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM
	E5K49A HP 2 GB x32 144-pin (800 MHz) DDR3 SODIMM
	J8031A HP Jetdirect 2900nw Print Server
	T3V27A HP LaserJet 550-sheet Paper Tray
	T3V28A HP LaserJet Printer Stand
	T3V29A HP Color LaserJet 2x550-sheet Feeder and Stand
	T3V30A HP LaserJet 2700-sheet High Capacity Paper Tray and Stand
	X3D03A HP Universal USB Proximity Card Reader
	Y7C05A HP HIP2 Keystroke Reader
Service and Support	UC2U9E HP 3 year Next Business Day with Defective Media Retention for Color LaserJet Enterprise M856 service UC2V0E HP 4 year Next Business Day with Defective Media Retention for Color LaserJet Enterprise M856 service UC2V1E HP 5 year Next Business Day with Defective Media Retention for Color LaserJet Enterprise M856 service UC2W1PE HP 1 year Post Warranty Next Business Day with Defective Media Retention for Color LaserJet M856 service UC2W2PE HP 2 year Post Warranty Next Business Day with Defective Media Retention for Color LaserJet M856 service U9JT3E HP Instant service with Department Printer

Technical specifications

Model	HP Color LaserJet Enterprise M856dn
Product number	T3U51A
Functions	Print
Control panel	10.92 cm (4.3 in) Infrared touch panel with home button
Print	
Print technology	Laser
Print speed[1]	**Black (A4, normal)**: Up to 56 ppm; **Colour (A4, normal)**: Up to 56 ppm; **Black (A4, duplex)**: Up to 56 ipm; **Colour (A4, duplex)**: Up to 56 ipm;
First page out[2]	**Black (A4, ready)**: As fast as 5.9 sec; **Colour (A4, ready)**: As fast as 6.3 sec; **Black (A4, sleep)**: As fast as 11.6 sec; **Colour (A4, sleep)**: As fast as 11.8 sec;
Print resolution	**Black (best)**: Up to 1200 x 1200 dpi; **Colour (best)**: Up to 1200 x 1200 dpi; **Technology**: HP ImageREt 4800, Enhanced (600 x 600 dpi), Fine Lines (1200 x 1200 dpi), Quickview (300 x 300 dpi), Pantone Calibrated;
Monthly duty cycle[3]	Up to 250,000 pages A4; **Recommended monthly page volume**[4]: Up to 50,000
Printer smart software features	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB, HP EasyColor
Standard print languages	HP PCL 6, HP PCL 5 (HP PCL 5 driver available from the Web only), HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™, Google Cloud Print
Fonts and typefaces	105 internal TrueType fonts scalable in HP PCL; Barcode font variants (Code 39, I2 of 5, UPC/ENA, Code 128, OCR-A/OCR-B); 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 http://www.hp.com/go/laserjetfonts
Print area	**Print margins** Top: 5 mm, Bottom: 5 mm, Left: 5 mm, Right: 5 mm; Maximum print area : 316 x 453 mm
Duplex printing	Automatic (standard)
Processor speed	1.2 GHz
Connectivity	
Standard	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 rear host ports; 1 walkup USB 2.0 host port; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network port; 1 Hardware Integration Pocket 2nd generation (HIP2)
Optional	HP Jetdirect 2900nw Print Server J8031A, HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A
Wireless	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A; Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A
Mobile printing capability[5]	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified; ROAM capable for easy printing
Supported network protocols	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, Stateful via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPs, Telnet, TFTP Config, Syslog; Security: SNMPv3, SSL Cert Management, IPSec/Firewall, ACL, 802.1x
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), second Ethernet port (optional)
Hard disk	Optional 500 GB available hard disk space: HP Secure High Performance Hard Disk drive 500 GB B5L29A; HP TAA Version Secure Hard Disk Drive 5EL03A
Memory	**Standard**: 1.5 GB ;**Maximum**: [6] 3.5 GB
Media handling	
Number of paper trays	**Standard**: 2 ;**Maximum**: 6
Media types	Paper (plain, heavy, extra heavy, glossy, light, recycle, tough), envelopes, labels, glossy film, cardstock, transparencies
Media size	**Custom (metric)**: 100 sheet multipurpose Tray 1: 64 x 127 to 320 x 457.2 mm; 550 sheet input Tray 2: 148 x 148 to 297 x 431.8 mm; Optional 1 x 550 and 2 x 550 tray and stand: 148 x 148 to 320 x 457.2 mm; Optional 2,700 sheet HCI paper tray and stand: 279.4 x 210 mm to 297 x 215.9 **Supported (metric)**: 100 sheet multipurpose Tray 1: A3, A4, A4-R, A5, A6, RA3, SRA3, RA4, SRA4, B4 (JIS), B5 (JIS), B6 (JIS); Oficio 216 x 340, 8K (270 x 390), 8K (260 x 368), 8K (273 x 394), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273); Postcard (JIS), Envelopes: B5, C5, C6, DL; 550 sheet input Tray 2: A3, A4, A4-R, A5, RA4, SRA4, B4 (JIS), B5 (JIS); Oficio 216 x 340, 8K (270 x 390), 8K (260 x 368), 8K (273 x 394), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273); Optional 1 x 550 and 2 x 550 tray and stand: A3, A4, A4-R, A5, RA3, SRA3, RA4, SRA4, B4 (JIS), B5 (JIS); Oficio 216 x 340, 8K (270 x 390), 8K (260 x 368), 8K (273 x 394), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273); Postcard (JIS); Optional 2,700 sheet HCI paper tray and stand: A4

Model	HP Color LaserJet Enterprise M856dn
Product number	T3U51A
Media handling	**Standard input:** 100 sheet multipurpose tray; 550 sheet input tray **Standard output:** 500 sheet output bin **Optional input:** Add up to two: 1 x 550 sheet paper tray; Add up to one: 2 x 550 sheet paper tray and stand; 2,700 (1,600 + 1,100) sheet HCI paper tray and stand
Media weight	100 sheet multipurpose Tray 1: 60 to 300 g/m²; 550 sheet input Tray 2: 60 to 256 g/m²; Optional 1 x 550 and 2 x 550 tray and stand: 60 to 256 g/m²; Optional 2,700 sheet HCI paper tray and stand: 60 to 256 g/m²
Input capacity	**Tray 1:** Sheets: 100 sheet multi-purpose tray 1 (80 g/m²); Transparencies: 50: Envelopes: 10; Labels: 50 **Tray 2:** Sheets: 550 (80 g/m²); Transparencies: 200; Labels: 200 **Tray 3:** Optional 1 x 550 and 2 x 550 tray and stand - Sheets: 550 (80 g/m²); Transparencies: 200; Labels: 200; Optional 2,700 sheet HCI paper tray and stand - Sheets: 1,100 + 1,600 (80 g/m²) **Maximum:** Up to 4,450 sheets (80 g/m² paper)
Output capacity	**Standard:** Up to 500 sheets Envelopes: Up to 50 envelopes Transparencies: Up to 50 sheets **Maximum:** Up to 500 sheets
Compatible operating systems	Windows Client OS (32/64-bit): Win10, Win8.1, Win7 Starter Edition SP1, UPD Win7 Ultimate; Mobile OS: iOS, Android; Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Mac: Apple® macOS Catalina v10.15; Discrete PCL6 Printer Driver: For more information on the supported operating systems go to http://www.support.hp.com, Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) User Guide, Search for the Supported Operating Systems section; UPD PCL6 / PS Printer Drivers: For more information on the supported operating systems go to http://www.support.hp.com, Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) User Guide, Search for the Supported Operating Systems section; UPD PCL6 / PS Printer Drivers, Supported Operating systems: For more information on the supported operating systems see http://www.hp.com/go/upd
Compatible network operating systems	Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Windows Server 2019 64-bit; Failover Cluster 2008 R2; Failover Cluster 2012 R2; Terminal server 2008 R2; Remote Desktop server 2012 R2; Citrix Server 6.5; Citrix XenApp & XenDesktop 7.6; Novell iPrint server; "Citrix Ready Kit Certification: Up to Citrix Server 7.18 for more information see http://www.citrixready.citrix.com; Linux: For more information see http://www.developers.hp.com/hp-linux-imaging-and-printing; Unix: For more information see http://www.hp.com/go/unixmodelscripts; UPD PCL6 / PS Printer Drivers: For more information on the supported operating systems go to http://www.support.hp.com, Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) User Guide, Search for the Supported Operating Systems section; UPD PCL6 / PS Printer Drivers; Supported Operating systems: For more information on the supported operating systems see http://www.hp.com/go/upd
Minimum system requirements	**Windows:** 2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see http://www.microsoft.com **Mac:** 2 GB available hard drive space, Internet connection or USB port. For OS hardware requirements see http://www.apple.com
Software included	No software solutions are included in the Box only on http://www.hp.com, http://www.123.hp.com
Security management	Management security: SNMPv3, Web Services over port 7627, SSL/TLS TLS 1.0/1.1/1.2, FIPS 140-2, Certificate Management, Embedded Web Server, WPA2-Enterprise, 802.1X authentication (EAP- PEAP, EAP-TLS), IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
Printer management	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility; Driver Deployment Utility; Managed Printing Administrator)
Dimensions and weight	
Printer dimensions (W x D x H)[7]	**Minimum** 556 x 610 x 520 mm; **Maximum:** 921 x 610 x 598 mm
Package dimensions (W x D x H)	786 x 736 x 652 mm
Printer weight[8]	52.3 kg
Package weight	59.48 kg
Operating environment	**Temperature:** 10 to 32.5°C **Humidity:** 30 to 70% RH
Storage conditions	**Temperature:** –20 to 40°C
Acoustics[9]	**Acoustic power emissions:** 6.8 B(A) **Acoustic pressure emissions:** 53 dB(A)
Power[10]	**Requirements:** Input voltage: 100 V to 127 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 12 A; Input voltage: 220 V to 240 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 6 A. Not dual voltage, power supply varies by part number with # Option code identifier.; **Consumption:** 870 watts (printing), 77 watts (ready), 0.7 watts (sleep), 0.7 watts (HP Auto-Off/Auto On), 0.08 watts (Auto-Off), 0.08 watts (Off); **Typical Electricity Consumption (TEC)**[11]: Blue Angel: 2.669 kWh/Week; Energy Star 3.0: 0.725 kWh/Week; **Power supply type:** Built-in 115V or 220V Power Supply;
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology
Certifications[12]	CISPR 22:2008 (International) - Class A, CISPR 32:2012 (International) - Class A, EN 55032:2012 (EU) - Class A, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55024:2010, EMC Directive 2014/30/EU. Other EMC approvals as required by individual countries. ENERGY STAR® qualified; EPEAT® Silver; CECP **Blue Angel compliant** Yes, Blue Angel DE-UZ 205—only ensured when using Original HP supplies
Country of origin	Made in Japan
What's in the box[13]	HP Color LaserJet Enterprise M856dn printer; HP Black Original LaserJet Toner Cartridge (16,000 pages), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (13,000 pages each); 4 HP Original LaserJet Imaging Drums (65,000 pages each colour); Getting started Guide; 1 Power cord
Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to http://www.hp.com/support to learn about HP award winning service and support options in your region.

Footnotes

[1] Based on HP review of 2019 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 http://www.hp.com/go/PrintersThatProtect. For more information: http://www.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] Based on HP Internal testing using normalised TEC Value, 2019.

[4] Dependent upon country setup specifications.

[5] An FCC Class A emissions compliant device meets the less stringent (higher) levels of emissions allowed by the FCC for a product operation in a commercial environment. An FCC class A device cannot be marketed for use in a residential environment and an FCC class A device should not be purchased for use in a residential environment due to the increased risk of interference to radio communications.

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[1] 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.

[2] 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.

[3] 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.

[4] 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.

[5] To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit http://www.hp.com/go/roam.

[6] The Configuration Pages will report maximum memory at 2 GB after 1 GB DIMM installed. This is an expected behavior of this product.

[7] With no accessories and multi-purpose tray closed.

[8] With print cartridges.

[9] Acoustic values are subject to change. For current information see http://www.hp.com/support. Configuration tested: base model, simplex printing, A4 paper at an average of 56 ppm.

[10] 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. Power consumption values typically based on measurement of 115V device.

[11] BA TEC is equal to Best TEC. 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 Version 3.0 TEC is not comparable to Energy Star Version 2.0 TEC values or BA TEC values. BA uses Energy Star Version 2.0 TEC. Energy Star value typically based on measurement of 115V device.

[12] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[13] Standard cartridges included; yields 16,000 black and 13,000 colour composite (C/M/Y) pages. Average black and colour composite (C/M/Y) declared toner 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.

www.blauer-engel.de/uz205

http://www.hp.com/uk

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