

## HP Color LaserJet Enterprise M856dn (T3U51A)



**Print phenomenal color while maximizing uptime, plus original HP JetIntelligence toner technology.**

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



### **Work stands out with exceptional color performance**

Special print mode for a wider color range and extra vividness for documents and marketing materials.

### **The world's most secure printing[1]**

Each printer in your fleet checks its operating code and repairs itself from attacks.

### **Minimal interruptions. Maximum productivity.**

Change the toner and drum in seconds. Both are easily accessible and come already installed out of the box.

### **Featuring**

Premium color using Enhanced print mode

Original HP toner and drums with JetIntelligence—and HP ColorSphere 3

Print speeds up to 55/56 ppm

Wide range of paper-handling accessories

Fast first-page printing with first page out as fast as 5.9 seconds

Fast, easy supplies replacement

## Specifications

<b>Print Resolution Technologies</b>	HP ImageREt 4800, Enhanced (600 x 600 dpi), Fine Lines (1200 x 1200 dpi), Quickview (300 x 300 dpi), Pantone Calibrated
<b>Print quality black (best)</b>	Up to 1200 x 1200 dpi
<b>Print quality color (best)</b>	Up to 1200 x 1200 dpi
<b>Print speed black (ISO, A4)</b>	Up to 56 ppm
<b>Print speed black (ISO, letter)</b>	Up to 56 ppm
<b>Print Speed Color (ISO)</b>	Up to 56 ppm
<b>Print speed color (ISO)</b>	Up to 56 ppm
<b>Print speed</b>	Print speed up to 55 ppm (black) and 55 ppm (color)
<b>Functions</b>	Print
<b>Duplex printing</b>	Automatic (standard)
<b>Duty cycle (monthly, A4)</b>	Up to 250,000 pages
<b>Duty cycle (monthly, letter)</b>	Up to 250,000 pages <sup>[13]</sup>
<b>Printer smart software features</b>	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB, HP EasyColor
<b>Energy savings feature technology</b>	HP Auto-On/Auto-Off Technology; Instant-on Technology
<b>Replacement cartridges</b>	W2010A HP 659A Black LaserJet Toner Cartridge (~16,000 pages); W2011A HP 659A Cyan LaserJet Toner Cartridge (~13,000 pages); W2012A HP 659A Yellow LaserJet Toner Cartridge (~13,000 pages); W2013A HP 659A Magenta LaserJet Toner Cartridge (~13,000 pages); W2010X HP 659X Black LaserJet Toner Cartridge (~34,000 pages); W2011X HP 659X Cyan LaserJet Toner Cartridge (~29,000 pages); W2012X HP 659X Yellow LaserJet Toner Cartridge (~29,000 pages); W2013X HP 659X Magenta LaserJet Toner Cartridge (~29,000 pages); W2004A HP 660A Original LaserJet Imaging Drum (~65,000 pages, universal for all 4 colors) <sup>[8]</sup>
<b>Supplies feature</b>	HP JetIntelligence Cartridge
<b>Connectivity, standard</b>	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)
<b>Connectivity, optional</b>	HP Jetdirect 2900nw Print Server J8031A, HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A
<b>Network capabilities</b>	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)
<b>Wireless capability</b>	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
<b>Mobile printing capability</b>	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified
<b>Network protocols, supported</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, Stateful via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Telnet, TFTP Config, Syslog; Security: SNMPv3, SSL Cert Management, IPsec/Firewall, ACL, 802.1x
<b>Software included</b>	No software solutions are included in the Box only on <a href="http://hp.com">http://hp.com</a> , <a href="http://123.hp.com">http://123.hp.com</a>
<b>Compatible Operating Systems</b>	Windows 11; Windows Client OS; Windows 10; Windows 8.1; Windows 7; Mobile OS; iOS; Android; macOS 10.13 High Sierra; macOS 10.14 Mojave; macOS 10.15 Catalina
<b>Sustainable impact specifications</b>	Mercury free
<b>Energy star certified</b>	Yes
<b>Ecolabels</b>	CECP; Blue Angel; EPEAT® Silver registered; ENERGY STAR® certified
<b>Blue Angel compliant</b>	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
<b>Display area (imperial)</b>	3.74 x 2.32 in
<b>Display area (metric)</b>	95.04 mm x 53.86 mm
<b>Display</b>	4.3-in(10.92 cm) Color Graphics Display(CGD) with touchscreen; rotating (adjustable angle)
<b>Minimum dimensions (W x D x H)</b>	556 x 610 x 520 mm (With no accessories and multi-purpose tray closed)
<b>Minimum dimensions (W x D x H)</b>	21.89 x 24.02 x 20.47 in (With no accessories and multi-purpose tray closed)

Weight	52.3 kg <sup>[5]</sup> (With print cartridges)
Weight	115.3 lb (With print cartridges)
Power 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) <sup>[6]</sup>
Power supply type	Built-in 115V or 220V Power Supply
What's in the box	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), and 4 HP Original LaserJet Imaging Drums (~65,000 pages each color); Getting started Guide; 1 Power cord <sup>[3]</sup>
Manufacturer 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 <a href="http://hp.com/support">hp.com/support</a> to learn about HP award winning service and support options in your region. (Warranty Code 4G; Warranty ID A001)

## Top Recommended Displays, Accessories and Services

### Smart Cards and SmartCard Readers

HP HIP2 Keystroke Reader	Y7C05A
HP Legic Secure USB Reader	4QL32A
HP SmartCard NIPRNet Solution for US Government	CC543B
HP SmartCard SIPRNet Solution for US Government	F8B30A
HP USB Universal Card Reader	X3D03A

### DDR3 Memory

HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM	E5K48A
HP 2 GB x32 144-pin (800 MHz) DDR3 SODIMM	E5K49A
HP 2GB 144-Pin DDR3 TAA Version DIMM	2NR09A

### Input Trays

HP Color LaserJet 2x550-sheet Feeder and Stand	T3V29A
HP LaserJet 2700-sheet High Capacity Paper Tray and Stand	T3V30A
HP LaserJet 550-sheet Paper Tray	T3V27A

### Printer Cables

HP Foreign Interface Harness	B5L31A
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### Port Cables and Cable Adapters

HP Internal USB Ports	B5L28A
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### External Print Servers

HP Jetdirect 2900nw Print Server	J8031A
HP Jetdirect 3100w BLE/NFC/Wireless Accessory	3JN69A

### Internal Print Servers

HP Jetdirect LAN Accessory	8FP31A
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### Printer Cabinets and Stands

HP LaserJet Printer Stand	T3V28A
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### EIO Hard Drives

HP High-Performance Secure Hard Disk	B5L29A
HP TAA Version Secure Hard Disk Drive	5EL03A

### HP Color Laser Toner Printer Cartridges

HP 659X High Yield Black Original LaserJet Toner Cartridge	W2010X
HP 659X High Yield Cyan Original LaserJet Toner Cartridge	W2011X
HP 659X High Yield Magenta Original LaserJet Toner Cartridge	W2013X
HP 659X High Yield Yellow Original LaserJet Toner Cartridge	W2012X
HP 660A Original LaserJet Imaging Drum	W2004A

### HP Laser Printer Supply Kits

HP LaserJet 110V Fuser Kit	4YL16A
HP LaserJet 3WT89A Transfer Kit	3WT89A
HP LaserJet 3WT90A Toner Collection Unit	3WT90A

### Printing SW Solution Licenses

HP HID Mobile Access Mifare DES Fire Keystroking Reader	35H11A
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## Messaging Footnotes

[1] Based on HP review of 2018 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>

## Technical Specifications Footnotes

[3] Standard cartridges included; yields 16,000 black and 13,000 color composite (C/M/Y) pages. Average black and color 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>.

[5] With print cartridges

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

[8] Average black and color 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>.

[13] 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.

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