



# HP Sales Central

## HP Color LaserJet Enterprise M856dn (T3U51A)

Active as of 11/1/2019

### Detailed Specifications

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#### 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 TAA Version Secure Hard Disk Drive; B5L28A HP Internal USB Ports; B5L29A HP High-Performance Secure Hard Disk; B5L31A HP Foreign Interface Harness; CC543B HP SmartCard NIPRNet Solution for US Government; E5K48A HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM; E5K49A HP 2 GB x32 144-pin (800 MHz) DDR3 SODIMM; F8B30A HP SmartCard SIPRNet Solution for US Government; J8031A HP Jetdirect 2900nw Print Server; X3D03A HP Universal USB Proximity Card Reader; Y7C05A HP HIP2 Keystroke Reader; 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

#### Acoustic power emissions (active, printing)

6.8 B(A)

#### Acoustic power emissions (ready)

4.9 B(A)

#### Acoustic power footnote number

[16]

#### Acoustic power note

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.

#### Acoustic pressure emissions bystander (active, printing)

53 dB(A)

#### Acoustic pressure emissions bystander (ready)

33 dB(A)

#### Automatic paper sensor

Yes

#### Blue Angel compliant

Yes, Blue Angel DE-UZ 205—only ensured when using Original HP supplies

#### Bottom margin (A4)

5 mm

#### Cable included

No, please purchase USB cable separately

#### Capacity

16 GB eMMC by default

#### Code name

Nagano

#### Compatible Network Operating Systems

Windows Server 2008 R2 64-bit: 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://citrixready.citrix.com>; Linux: For more information see <http://developers.hp.com/hp-linux-imaging-and-printing>; Unix: For more information see <http://hp.com/go/unixmodelscripts>; Linux: For more information see <http://developers.hp.com/hp-linux-imaging-and-printing>; Unix: For more information see <http://hp.com/go/unixmodelscripts>; UPD PCL6 / PS Printer Drivers: For more information on the supported operating systems go to <http://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 [www.hp.com/go/upd](http://www.hp.com/go/upd)

### **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://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://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 [www.hp.com/go/upd](http://www.hp.com/go/upd)

### **Connectivity, optional**

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

### **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)

### **Control panel**

4.3 in IR-touch panel with home button

### **Count of cartons per pallet layer**

1

### **Count of layers in pallet**

3

### **Country of origin**

Japan

### **Datasheet photo 1**

Publication photos/T3U51A.jpg

### **Datasheet photo 4**

Publication photos/M856-walkaround.jpg

### **Datasheet publication number**

4AA7-6153

### **Dimension note (imperial)**

With no accessories and multi-purpose tray closed

### **Dimension(W x D x H) Footnote Number**

[4]

### **Dimensions (W x D x H) Note**

With no accessories and multi-purpose tray closed

### **Display**

4.3-in(10.92 cm) Color Graphics Display(CGD) with touchscreen; rotating (adjustable angle)

### **Display area (imperial)**

3.74 x 2.32 in

### **Display area (metric)**

95.04 mm x 53.86 mm

### **Downloadable software**

From <http://123.hp.com>: HP Easy Start (Guided Software Install for Windows and Mac); From <http://hp.com> for Windows OS: Full-solution software and drivers, Basic-solution software and drivers, HP PCL6 XPS Discrete Print Driver, Product Documentation and Support; From <http://hp.com> for Mac OS; HP Easy Start (Guided Software Install); HP Mac OS Print Driver; HP Easy Admin; For Mobile OS: iOS For more information see <http://hp.com/go/businessmobileprinting>, Android For more information see <http://hp.com/go/businessmobileprinting>; From <http://hp.com> for printer administrators: Printer Administrator Resource Kit (Driver Configuration Utility, Driver Deployment Utility, Managed Printing Administrator; HP Universal Print Drivers PCL6 GDI & PS GDI for Windows; HP ePrint Software (Mobile Driver for Windows); SAP Print Drivers for more information see <http://support.hp.com/us->

[en/document/c05051702](#); HP Web JetAdmin; HP JetAdvantage Security Manager; HP ROAM; HPLIP Linux Printer Driver for more information see <http://hplipopensource.com/hplip-web/index.html>; Unix Model Script Printer Driver for more information see <http://hp.com/go/unixmodelscripts>;

#### **Driver updates**

Current HP printer drivers and software can be obtained from the HP Customer Care Web site: In the US, go to <http://www.hp.com/support/colorljM856>; Outside the US, go to <http://www.hp.com/support> 1 Select the country/region 2 Select Software and Drivers 3 Select Printer 4 Enter a product name/number 5 The operating system is automatically detected 6 Select a driver or other software 7 Then select DOWNLOAD

#### **Duplex printing**

Automatic (standard)

#### **Duty cycle (monthly, A4)**

Up to 250,000 pages

#### **Duty cycle (monthly, letter)**

Up to 250,000 pages

#### **Duty cycle footnote number**

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#### **Duty cycle note**

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.

#### **Electromagnetic compatibility**

CISPR 22:2008 (International) - Class A, CISPR32:2012 (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, FCC CFR 47 Part 15 Class A/ICES-003, Issue 6 Class A. Other EMC approvals as required by individual countries.

#### **Energy efficiency**

ENERGY STAR® qualified; EPEAT® Silver; CECP

#### **Energy savings feature technology**

HP Auto-On/Auto-Off Technology; Instant-on Technology

#### **Energy star certified**

Yes

#### **Envelope Feeder**

No

#### **Environmental**

Mercury free

#### **FCC Class A emissions**

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

#### **Finished output handling**

Sheetfed

#### **First page out black (A4, ready)**

As fast as 5.9 sec

#### **First page out black (A4, sleep)**

As fast as 11.6 sec

#### **First page out black (letter, ready)**

As fast as 5.9 sec

#### **First page out black (letter, sleep)**

As fast as 11.6 sec

#### **First page out color (A4, ready)**

As fast as 6.3 sec

#### **First page out color (A4, sleep)**

As fast as 11.8 sec

#### **First page out color (letter, ready)**

As fast as 6.3 sec

#### **First page out color (letter, sleep)**

As fast as 11.8 sec

**First page out footnote**

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.

**First page out footnote number**

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**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 [hp.com/go/laserjetfonts](http://hp.com/go/laserjetfonts)

**Functions**

Print

**Image legal disclaimer**

Product image may differ from actual product

**Input capacity**

Up to 650 sheets (80 g/m<sup>2</sup> paper)

**Internal Storage**

Optional 500 GB HDD: HP Secure High Performance Hard Disk drive 500 GB B5L29A; HP TAA Version Secure Hard Disk Drive 5EL03A

**Left margin (A4)**

5 mm

**Legal disclaimer**

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**Mac compatible**

Yes

**Maximum dimensions (W x D x H)**

36.26 x 24.02 x 23.54 in

**Maximum dimensions (W x D x H)**

921 x 610 x 598 mm

**Maximum input capacity (sheets)**

Up to 4450 sheets (80 g/m<sup>2</sup> paper)

**Maximum Memory**

3.5 GB

**Maximum output capacity (sheets)**

Up to 500 sheets

**Maximum print area**

316 x 453 mm

**Media size, 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), Dpostcard (JIS), Envelopes: B5, C5, C6, DL

**Media size, 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); Dpostcard (JIS)

**Media size, tray 3**

Optional 1x550 and 2x550 tray and stand: A3, A4, A4-R, A5, RA3, SRA3, RA4, SRA4, B4 (JIS), B5 (JIS); Oficio 216x340, 8K (270 x 390), 8K (260 x 368), 8K (273 x 394), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273); Dpostcard (JIS); Optional 2700-sheet HCl paper tray and stand: A4

**Media sizes supported**

100-sheet multipurpose Tray 1: A3, A4, A4-R, A5, A6, RA3, SRA3, RA4, SRA4, B4 (JIS), B5 (JIS), B6 (JIS); Oficio 216x340, 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), Dpostcard (JIS), Envelopes: B5, C5, C6, DL; 550-sheet input Tray 2: A3, A4, A4-R, A5, RA4, SRA4, B4 (JIS), B5 (JIS); Oficio 216x340, 8K (270 x 390), 8K (260 x 368), 8K (273 x 394), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273); Dpostcard (JIS); Optional 1x550 and 2x550 tray and stand: A3, A4, A4-R, A5, RA3, SRA3, RA4, SRA4, B4 (JIS), B5 (JIS); Oficio 216x340, 8K (270 x 390), 8K (260 x 368), 8K (273 x 394), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273); Dpostcard (JIS); Optional 2700-sheet HCl paper tray and stand: A4

**Media sizes supported**

100-sheet multipurpose Tray 1: Statement, 3 x 5 index card, 4 x 6 index card, 5 x 7 index card, 5 x 8 index card, Letter, Letter-R, Legal, Executive, 11 x 17 in; 8.5 x 13, 12 x 18, Envelopes: #9, #10, Monarch;

**Media sizes supported, key**

10 x 15 cm; A4; A3; Envelopes

**Media sizes supported, key**

4 x 6 in; Letter; Legal; 11 x 17 in; Envelopes

**Media sizes, custom**

100-sheet multipurpose Tray 1: 2.5 x 5 to 12.6 x 18 in; 550-sheet input Tray 2: 5.8 x 5.8 to 11.7 x 17 in; Optional 1x550 and 2x550 tray and stand: 5.8 x 5.8 to 12.6 x 18 in; Optional 2700-sheet HCl paper tray and stand: 11 x 8.27 to 11.7 x 8.5 in

**Media sizes, custom**

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 1x550 and 2x550 tray and stand: 148 x 148 to 320 x 457.2 mm; Optional 2700-sheet HCl paper tray and stand: 279.4 x 210 mm to 297 x 215.9

**Media type and capacity, tray 1**

Sheets: 100-sheet multi-purpose tray 1 (80 g/m<sup>2</sup>); Transparencies: 50; Envelopes: 10; Labels: 50

**Media type and capacity, tray 2**

Sheets: 550 (80 g/m<sup>2</sup>); Transparencies: 200; Labels: 200

**Media type and capacity, tray 3**

Optional 1x550 and 2x550 tray and stand - Sheets: 550 (80 g/m<sup>2</sup>); Transparencies: 200; Labels: 200; Optional 2700-sheet HCl paper tray and stand - Sheets: 1100+1600 (80 g/m<sup>2</sup>)

**Media types**

Paper (plain, heavy, extra heavy, glossy, light, recycle, tough), envelopes, labels, glossy film, cardstock, transparencies

**Media weight (tray 1)**

60 to 300 g/m<sup>2</sup> plain papers, up to 220 g/m<sup>2</sup> glossy/coated

**Media weight (tray 2)**

60 to 256 g/m<sup>2</sup> plain papers, up to 220 g/m<sup>2</sup> glossy/coated

**Media weight (tray 3)**

60 to 256 g/m<sup>2</sup> plain papers, up to 220 g/m<sup>2</sup> glossy/coated

**Media weight, supported**

100-sheet multipurpose Tray 1: 16 to 80 lb, 550-sheet input Tray 2: 16 to 68 lb, Optional 1x550 and 2x550 tray and stand: 16 to 68 lb, Optional 2700-sheet HCl paper tray and stand: 16 to 68 lb

**Media weight, supported**

100-sheet multipurpose Tray 1: 60 to 300 g/m<sup>2</sup>, 550-sheet input Tray 2: 60 to 256 g/m<sup>2</sup>, Optional 1x550 and 2x550 tray and stand: 60 to 256 g/m<sup>2</sup>, Optional 2700-sheet HCl paper tray and stand: 60 to 256 g/m<sup>2</sup>

**Memory**

1.5 GB

**Memory card compatibility**

Not available

**Memory Slots**

1 slot, 144-pin DDR3 x32 SODIMM

**Memory upgrade**

Expandable to 3.5 GB through 1 GB 144-pin DDR3 x32 SODIMM

**Minimum dimensions (W x D x H)**

21.89 x 24.02 x 20.47 in

**Minimum dimensions (W x D x H)**

556 x 610 x 520 mm

**Minimum System Requirements**

2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see [microsoft.com](http://microsoft.com)

**Minimum System Requirements for Macintosh**

2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see [apple.com](http://apple.com)

**Mobile printing capability**

HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified; ROAM capable for easy printing

**Mobile printing capability footnote**

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://hp.com/go/roam>

**Mobile printing capability footnote number**

[15]

**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)

**Network protocols, supported**

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

**Number of print cartridges**

4 toner cartridges (1 each for black, cyan, magenta, yellow)

**Number of users**

5-20 Users

**Operating humidity range**

10 to 80% RH

**Operating temperature range**

10 to 32.5°C

**Operating temperature range**

50 to 90.5°F

**Orderable supplies**

HP LaserJet Toner Collection Unit 3WT90A, HP LaserJet 110V Fuser Kit 4YL16A, HP LaserJet 220V Fuser Kit 4YL17A, HP LaserJet Image Transfer Belt Kit 3WT89A

**Output capacity**

Up to 500 sheets

**Package dimensions (W x D x H)**

30.95 x 28.98 x 25.69 in

**Package dimensions (W x D x H)**

786 x 736 x 652 mm

**Package weight**

131.13 lb

**Package weight**

59.48 kg

**Page yield footnote**

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/learnaboutesupplies>.

**Page yield footnote number**  
[8]

**Pallet dimensions**  
31.1 x 29.92 x 82.94 in

**Pallet dimensions (W x D x H)**  
790 x 760 x 2107 mm

**Pallet weight**  
188.44 kg

**Pallet weight**  
415.43 lb

**Paper handling input, optional**  
Add up to two: 1x550-sheet paper tray; Add up to one: 2x550-sheet paper tray and stand; 2,700 (1,600+1,100) sheet HCl paper tray and stand; or stand

**Paper handling input, standard**  
100-sheet multipurpose tray, 550-sheet input tray

**Paper handling output, standard**  
500-sheet output bin

**Paper trays, maximum**  
6

**Paper trays, standard**  
2

**Plug and play**  
HP Smart Install

**Power**  
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

**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)

**Power consumption footnote number**  
[6]

**Power supply type**  
Built-in 115V or 220V Power Supply

**Print colors**  
Yes

**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

**Print quality black (best)**  
Up to 1200 x 1200 dpi

**Print quality black (normal)**  
Up to 600 x 600 dpi

**Print quality color (best)**  
Up to 1200 x 1200 dpi

**Print resolution black (fine lines)**  
Up to 1200 x 1200 dpi

**Print resolution color (fine lines)**  
Up to 1200 x 1200 dpi

**Print resolution color (normal)**  
Up to 600 x 600 dpi

**Print Resolution Technologies**  
HP ImageREt 4800, Enhanced (600 x 600 dpi), Fine Lines (1200 x 1200 dpi), Quickview (300 x 300 dpi), Pantone Calibrated

**Print speed**

Print speed up to 55 ppm (black) and 55 ppm (color)

**Print speed (A3/tabloid) footnote number**

[10]

**Print speed (A4/letter) footnote number**

[10]

**Print speed black (ISO, A4)**

Up to 56 ppm

**Print speed black (ISO, letter)**

Up to 55 ppm

**Print speed black (Landscape, A5)**

Up to 35 ppm

**Print speed black (normal, A3)**

Up to 26 ppm

**Print speed black (normal, tabloid)**

Up to 26 ppm

**Print speed color (ISO)**

Up to 55 ppm

**Print Speed Color (ISO)**

Up to 56 ppm

**Print speed color (Landscape, A5)**

Up to 35 ppm

**Print speed color (normal, A3)**

Up to 26 ppm

**Print speed color (normal, tabloid)**

Up to 26 ppm

**Print speed duplex (A3)**

Up to 26 ipm

**Print speed duplex (A3)**

Up to 26 ipm

**Print speed duplex (A4)**

Up to 56 ipm

**Print speed duplex (A4)**

Up to 56 ipm

**Print speed duplex (letter)**

Up to 55 ipm

**Print speed duplex (letter)**

Up to 55 ipm

**Print speed duplex (tabloid)**

Up to 26 ipm

**Print speed duplex (tabloid)**

Up to 26 ipm

**Print speed footnote**

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.

**Print speed footnote (A3/Tabloid)**

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.

**Print speed footnote (A5)**

Measured using ISO 24734 Feature Test A5 Landscape Feed. Speed may vary based on content PC media orientation and media type.



**Print speed footnote number (A5)**

[11]

**Print Technology**

Laser

**Print technology**

Laser

**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)

**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

**Processor speed**

1.2 GHz

**Product note**

FCC Class A emissions device for use in commercial environments, not residential environments[5]

**Quantity per pallet**

3

**Recommended media weight (duplex)**

16 to 58 lb

**Recommended media weight (duplex)**

60 to 216 g/m<sup>2</sup>

**Recommended monthly page volume**

Up to 50,000

**Recommended monthly page volume footnote number**

[14]

**Recommended monthly page volume note**

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.

**Recommended operating humidity range**

30 to 70% RH

**Recommended operating temperature range**

15 to 27°C

**Recommended operating temperature range**

59 to 80.6°F

**Replacement cartridges**

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)

**Replacement cartridges footnote**

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>.

**Replacement cartridges footnote number**

[8]

**Right margin (A4)**

5 mm

**RMN number**

BOISB-1813-01

**Safety**

IEC 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 2nd Ed. 2011-12; Compliance with Laser safety standards 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser notice No. 50, Dated June 24, 2007; Other safety approvals as required by individual countries.

**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

**Services (Care Pack)**

UC2U9E - HP 3y NBD w/DMR CLJ Ent M856 SVC; UC2V0E - HP 4y NBD w/DMR CLJ Ent M856 SVC; UC2V1E - HP 5y NBD w/DMR CLJ Ent M856 SVC; UC2V2E - HP 3y 4h 9x5 w/DMR CLJ Ent M856 SVC; UC2V3E - HP 4y 4h 9x5 w/DMR CLJ Ent M856 SVC; UC2V4E - HP 5y 4h 9x5 w/DMR CLJ Ent M856 SVC; UC2V5E - HP 3y 4h 13x5 w/DMR CLJ Ent M856 SVC; UC2V6E - HP 4y 4h 13x5 w/DMR CLJ Ent M856 SVC; UC2V7E - HP 5y 4h 13x5 w/DMR CLJ Ent M856 SVC; UC2V8E - HP 3y ChnlPartsOnly CLJ Ent M856 SVC; UC2V9E - HP 4y ChnlPartsOnly CLJ Ent M856 SVC; UC2W0E - HP 5y ChnlPartsOnly CLJ Ent M856 SVC; UC2W1PE - HP 1y PW NBD w/DMR CLJ Ent M856 SVC; UC2W2PE - HP 2y PW NBD w/DMR CLJ Ent M856 SVC; UC2W3PE - HP 1y PW w/DMR 4h 9x5 CLJ Ent M856 SVC; UC2W4PE - HP 2y PW w/DMR 4h 9x5 CLJ Ent M856 SVC; UC2W5PE - HP 1y PW w/DMR 4h 13x5 CLJ Ent M856 SVC; UC2W6PE - HP 2y PW w/DMR 4h 13x5 CLJ Ent M856 SVC; UC2W7PE - HP 1y PW ChnlPartsOnly CLJ Ent M856 SVC; UC2W8PE - HP 2y PW ChnlPartsOnly CLJ Ent M856 SVC; U9JT3E - HP Inst SVC w/nw Department Printer

**Software included**

No software solutions are included in the Box only on <http://hp.com>, <http://123.hp.com>

**Standard input capacity (envelopes)**

Up to 10

**Standard media sizes (duplex)**

A3; A4; A4-R; A5; 8K; 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm); B4 (JIS); B5 (JIS); Oficio; RA3; RA4; SRA3; SRA4

**Standard media sizes (duplex, imperial)**

Letter; Executive; Tabloid; Ledger; Oficio (8.5 x 13 in)

**Standard output capacity (envelopes)**

Up to 50 envelopes

**Standard output capacity (transparencies)**

Up to 50 sheets

**Storage device and direct print support**

USB printing; Right-side facing USB/Flash drive

**Storage temperature range**

-20 to 40°C

**Storage temperature range**

-4 to 104°F

**Supplies feature**

HP JetIntelligence Cartridge

**SureSupply supported**

No

**Target user and print volume**

For teams up to 20 users; Prints up to 50,000 pages/month

**Tariff numbers**

8443321000 (EU Base HTS); 8443321010 (AM Base HTS); 84433231 (AP Base HTS)

**Tech spec footnote**

[1] Optional 500GB Hard Disk

**Tech spec footnote**

[10] 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.

**Tech spec footnote**

[11] Measured using ISO 24734 Feature Test A5 Landscape Feed. Speed may vary based on content PC media orientation and media type.

**Tech spec footnote**

[12] 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.

**Tech spec footnote**

[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.

**Tech spec footnote**

[14] 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.

**Tech spec footnote**

[15] 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://hp.com/go/roam>

**Tech spec footnote**

[16] 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.

**Tech spec footnote**

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

**Tech spec footnote**

[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>.

**Tech spec footnote**

[4] With no accessories and multi-purpose tray closed

**Tech spec footnote**

[5] With print cartridges

**Tech spec footnote**

[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.

**Tech spec footnote**

[7] 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.

**Tech spec footnote**

[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>.

**Tech spec footnote**

[9] To achieve maximum memory, purchase a DIMM accessory (TAA compliant only with TAA compliant DIMM). A firmware update may be required for configuration page to accurately reflect the accessory DIMM is installed.

**Technology logo, print 1**

Publication logos/AMS\_EnergyStar.jpg

**Technology logo, print 2**

Publication logos/AMS\_windows\_10.jpg

**Technology logo, print 3**

Publication logos/AMS\_mac\_hires.jpg

**Technology logo, print 4**

Publication logos/AMS\_Epeat silver.jpg

**Technology logo, print 5**

Publication logos/AMS\_Mopria.jpg

**Technology logo, print 6**

Publication logos/AMS\_AirPrint.jpg

**Top key features**

Front-facing USB printing; Roam; Two-sided printing; Fast first page out speeds; Energy Efficient; Strong Security

**Top margin (A4)**

5 mm

**Typical electricity consumption (TEC) footnote**

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.

**Typical electricity consumption (TEC) footnote number**

[7]

**Typical electricity consumption (TEC) number**

2.669 kWh/Week (Blue Angel); 0.725 kWh/Week (Energy Star 3.0)

**UPC number**

193015438330

**Warm-up time**

As fast as 150 sec

**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 [hp.com/support](http://hp.com/support) to learn about HP award winning service and support options in your region. (Warranty Code 4G; Warranty ID A001)

**Web address for additional information**

Solutions: <http://www.hp.com/go/gsc>; Fonts and IPDS Emulation: <http://www.hp.com/go/laserjetfonts>; HP Web Jetadmin: <http://www.hp.com/go/wja>; HP Universal Print Driver: <http://www.hp.com/go/upd>; HP JetAdvantage Security Manager: <http://www.hp.com/go/securitymanager>; HP JetAdvantage On Demand Cloud Solutions: <http://www.hp.com/go/JetAdvantageondemand>

**Weight**

115.3 lb

**Weight**

52.3 kg

**Weight (imperial) footnote number**

[5]

**Weight (metric) footnote number**

[5]

**Weight note (imperial)**

With print cartridges

**Weight note (metric)**

With print cartridges

**What is in the box footnote**

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>.

**What is in the box footnote number**

[3]

**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

**Wireless capability**

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

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