HP LaserJet Enterprise M611dn (7PS84A)

Overview

This HP LaserJet with JetIntelligence combines performance, energy efficiency, and security.[1]

This HP LaserJet Printer with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.[1]

The world's most secure printing[1]

With HP Sure Start, operating code is automatically checked at startup and repairs itself if compromised.

Performance and protection you can count on

Produce sharp text, bold blacks, and crisp graphics with precision black toner.

High-speed performance meets energy efficiency

Speed through tasks and save paper. Print two-sided documents nearly as fast as single-sided.

Features

HP Sure Start

Run-time Intrusion detection

Whitelisting

HP Web Jetadmin

4.3-inch (10.9 cm) color touchscreen

Eliminate the wait from your workday

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[1] HP's most advanced embedded security features are available on HP Enterprise and HP Managed devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2019 published features of competitive in-class printers. Only HP offers a combination of security features to automatically detect, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. For a list of compatible products, visit: http://www.hp.com/go/PrintersThatProtect. For more information, visit: http://www.hp.com/go/PrinterSecurityClaims

Specifications

Print Resolution Technologies	Normal FastRes 1200; Fine Lines (1200 x 1200 dpi), Quickveiw (300 x 300 dpi), Economode (600 x 600 dpi)
Print quality black (best)	Up to 1200 x 1200 dpi
Print speed black (ISO, A4)	Up to 61 ppm
Print speed black (ISO, letter)	Up to 65 ppm
Print speed	Print speed up to 65 ppm (black)
Functions	Print
Duplex printing	Automatic (standard)
Duty cycle (monthly, A4)	Up to 275,000 pages
Duty cycle (monthly, letter)	Up to 275,000 pages
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
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology
Replacement cartridges	HP 147A Black Original LaserJet Toner Cartridge (~10,500 pages) W1470A; HP 147X High Yield Black Original LaserJet Toner Cartridge (~25,200 pages) W1470X; HP 147Y Extra High Yield Black Original LaserJet Toner Cartridge (~42,000 pages) W1470Y[6]
Supplies feature	HP JetIntelligence Cartridge
Connectivity, standard	1 Hi-Speed USB 2.0 Device; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
Connectivity, optional	HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A
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).
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
Mobile printing capability	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified; ROAM optional for easy printing
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, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPs, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x

Software included	No software solutions are included in the box, only on http://hp.com, http://123.hp.com;
Compatible Operating Systems	Windows Client OS (32/64 bit)-, Win10, Win8.1, Win7 Ultimate, Mobile OS-, iOS, Android, Mac-, Apple® macOS Sierra v10.13, Apple® macOS High Sierra v10.14, Apple® macOS Mojave 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;
Sustainable impact specifications	Mercury-free
Energy star certified	Yes
Energy efficiency	ENERGY STAR® qualified; EPEAT® Silver; EPEAT® Gold (#AAZ, #201 options only)
Blue Angel compliant	Yes, Blue Angel RAL-UZ 205
Display area (imperial)	3.74 x 2.32 in
Display area (metric)	95.04 x 53.86 mm
Display	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)
Minimum dimensions (W x D x H)	431 x 466 x 380 mm
Minimum dimensions (W x D x H)	17 x 18.3 x 15 in
Weight	21.6 kg[3] *(With print cartridges)*
Weight	47.5 lbs *(With print cartridges)*
Power consumption	821 watts (printing), 14.98 watts (ready), 4.28 watts (sleep), < 0.1 watts (Auto Off/Manual On), < 0.1 watts (Manual Off)[4] *(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.)*
Power supply type	Built in 115V or 220V Power Supply (Not dual voltage, power supply varies by part number with # Option code identifier)
What's in the box	HP LaserJet Multifunction Printer; HP Black Original LaserJet Toner Cartridge (~10.5K yield); Documentation (Hardware Install Guide, Regulatory Flyer); Power cord. [2]

Services (Care Pack)	U9NE0E - HP 3y NBD LJ Ent M608 M611 SVC; U9NE1E - HP 4y NBD LJ Ent M608 M611 SVC; U9NE2E - HP 5y NBD LJ Ent M608 M611 SVC; U9NE3E - HP 3y 4h 9x5 LJ Ent M608 M611 SVC; U9NE4E - HP 4y 4h 9x5 LJ Ent M608 M611 SVC; U9NE5E - HP 5y 4h 9x5 LJ Ent M608 M611 SVC; U9NE6E - HP 3y 4h 13x5 LJ Ent M608 M611 SVC; U9NE7E - HP 4y 4h 13x5 LJ Ent M608 M611 SVC; U9NE8E - HP 5y 4h 13x5 LJ Ent M608 M611 SVC; U9NF2E - HP 3y Nbd Exch LJ Ent M608 M611 SVC; U9NF3E - HP 4y Nbd Exch LJ Ent M608 M611 SVC; U9NF4E - HP 5y Nbd Exch LJ Ent M608 M611 SVC; U9NF5E - HP 3y RtD LJ Ent M608 M611 SVC; U9NF6E - HP 4y RtD LJ Ent M608 M611 SVC; U9NF7E - HP 5y RtD LJ Ent M608 M611 SVC; U9NF8E - HP 3y ChnlPartsOnly LJ Ent M608 M611 SVC; U9NF9E - HP 4y ChnlPartsOnly LJ Ent M608 M611 SVC; U9NG0E - HP 5y ChnlPartsOnly LJ Ent M608 M611 SVC; U9NG4PE - HP 1y PW NBD LJ Ent M608 M611 SVC; U9NG5PE - HP 2y PW NBD LJ Ent M608 M611 SVC; U9NG6PE - HP 1y PW 4h 9x5 LJ Ent M608 M611 SVC; U9NG7PE - HP 2y PW 4h 9x5 LJ Ent M608 M611 SVC; U9NG8PE - HP 1y PW 4h 13x5 LJ Ent M608 M611 SVC; U9NH1PE - HP 1y PW Nbd Exch LJ Ent M608 M611 SVC; U9NH2PE - HP 1y PW RtD LJ Ent M608 M611 SVC; U9NH3PE - HP 1y PW PartsOnly LJ Ent M608 M611 SVC; U9NH4PE - HP 2y PW PartsOnly LJ Ent M608 M611 SVC; U9PS8E - HP MKRS LJ M60x M611 Fuser 110 SVC; U9PS9E - HP MKRS LJ M60x M611 Fuser 220 SVC; U9JT2E - HP Inst SVC w/nw Workgroup Printer
Warranty	One-year warranty. Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region.

Additional specifications

Accessories	HP LaserJet 550-Sheet Paper Feeder L0H17A, HP LaserJet 2100 Sheet Paper Feeder L0H18A, HP LaserJet Printer Stand L0H19A, HP LaserJet Stapler/Stacker/ Mailbox L0H20A, HP LaserJet Envelope Feeder L0H21A, HP LaserJet Extension Tray Cover L0H22A, HP Accessibility Assistant 2MU47A, HP 1GB 90-Pin DDR3 TAA Version DIMM 2NR03A, HP Removable Hard Drive Enclosure 2NR12A, HP JetDirect 3100w BLE/NFC/Wireless Accessory 3JN69A, HP TAA Version Secure Hard Disk Drive 5EL03A, HP Internal USB Ports B5L28A, HP Secure High Performance Hard Disk Drive B5L29A, HP SmartCard NIPRNet Solution for US Government CC543B, HP Int USB Ports Bulk M604/605/606 Accessory F2A86A, HP 1GB 90-Pin DDR3 DIMM G6W84A, HP Jetdirect LAN Accessory 8FP31A, HP USB Universal Card Reader X3D03A, HP HIP2 Keystroke Reader Y7C05A, HP Legic Reader 4QL32A, HP 300 ADF Roller Replacement Kit J8J95A
Acoustic power emissions (active, printing)	6.9 B(A)
Acoustic power emissions (ready)	Inaudible
Acoustic power note	Acoustic values are subject to change. For current information see http://www.hp.com/support. Noise measured during printing mono simplex A4 at 62ppm.
Acoustic pressure emissions bystander (active, printing)	55 dB(A)
Acoustic pressure emissions bystander (ready)	Inaudible
Automatic paper sensor	No
Bottom margin (A4)	4.3 mm
Cable included	No, please purchase (USB) cable separately
Capacity	Optional 500 GB Hard Disk
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, 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;
Control panel	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button
Count of cartons per pallet layer	4

Count of layers in pallet	4 AMS/EMEA, 3 APJ
Country of origin	Made in Mexico (AC4, AC8, AKV, 201, AAZ, BGJ); Made in China (AB0, AB2, ABJ, ACJ, BBU, BGM, ABT, ABY, ACQ, B13, B19, BAZ)
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: Go to http://www.hp.com/support/ (country/region may need to be selected) Select "Support", Select "Software and Drivers" , Select "Printer", Enter a product name/number, (The operating system is automatically detected), Select a driver or other software, Select "Download";
Electromagnetic compatibility	CISPR 22:2008 (International) Class A, CISPR 32:2012 (International) Class A / EN 55032:2012 Class A, CISPR 35:2016 (International) Class A / EN 55035:2017 Class A, EN 55024:2010 +A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, FCC CFR 47 Part 15 Class A, ICES-003, Issue 6 Class A. Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU. Other EMC approvals as required by individual countries.
Energy efficiency compliance footnote	EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.
Envelope Feeder	Yes, 75 (optional)
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 5.1 sec
First page out black (A4, sleep)	As fast as 7.9 sec in mm
First page out black (letter, ready)	As fast as 5.0 sec
First page out black (letter, sleep)	As fast as 7.8 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.

Fonts and typefaces	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 http://www.hp.com/go/laserjetfonts
Input capacity	Up to 650 sheets
Internal Storage	Optional, 500 GB (with accessory B5L29A)
Left margin (A4)	4.3 mm
Mac compatible	Yes
Maximum Memory	1.5 GB, MAX memory, when 1GB Accessory DIMM is installed
Maximum dimensions (W x D x H)	17 x 40.9 x 17.8 in
Maximum dimensions (W x D x H)	431 x 1040 x 453 mm
Maximum input capacity (sheets)	Up to 4400 sheets
Maximum output capacity (sheets)	Up to 1300 sheets
Maximum print area	212 x 352 mm
Media size, tray 1	A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273), Postcard (JIS), Dpostcard (JIS), Envelope: B5, C5, C6, DL
Media size, tray 2	A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273), Postcard (JIS), Dpostcard (JIS)
Media size, tray 3	550-sheet input Tray 3, 4, 5, 6: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273), Postcard (JIS), Dpostcard (JIS); 2100-sheet HCI Tray 3, 4, 5, 6: A4; 75-sheet envelope Tray 3, 4: B5, C5, C6, DL
Media sizes supported	100-sheet multipurpose Tray 1: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, Envelopes: #9, #10, Monarch; 550-sheet input Tray 2: Letter, Legal Executive, Statement, Oficio (8.5 x 13), 4 x 6 in, 5 x 7 in, 5 x 8 in; 550-sheet optional feeder: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 4 x 6 in, 5 x 7 in, 5 x 8 in; 2000-sheet optional HCI: Letter, Legal; 75-sheet optional envelope feeder: #9, #10, Monarch
Media sizes supported	100-sheet multipurpose Tray 1: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273), Postcard (JIS), Dpostcard (JIS), Envelope: B5, C5, C6, DL; 550-sheet input Tray 2: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273), Postcard (JIS), Dpostcard (JIS); 550-sheet optional feeder: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273), Postcard (JIS), Dpostcard (JIS); 2000-sheet optional HCI: A4; 75-sheet optional envelope feeder: B5, C5, C6, DL
Media sizes supported, key	4 x 6 in; Letter; Legal; Envelopes
Media sizes supported, key	A4; Envelopes
Media sizes, custom	100-sheet multipurpose Tray 1: 76 x 127 to 216 to 356 mm; 550-sheet input Tray 2: 99 x 148 to 216 x 356 mm; 550-sheet optional feeder: 99 x 148 to 216 x 356 mm; 75-sheet envelope feeder: 90 x 148 to 178 x 254 mm

Media sizes, custom	100-sheet multipurpose Tray 1: 3 x 5 to 8.5 x 14 in; 550-sheet input Tray 2: 3.9 x 5.8 to 8.5 x 14 in; 550-sheet optional feeder: 3.9 x 5.8 to 8.5 x 14 in; 75-sheet envelope feeder: 3.5 x 5.8 to 7 x 10 in
Media type and capacity, tray 1	Sheets: 100; transparencies, cardstock (163 g/m²): 50; Cardstock (200 g/m²): 30; Envelopes: 10
Media type and capacity, tray 2	Sheets: 550; Labels, Transparencies: 100
Media type and capacity, tray 3	Sheets: 550; Labels, Transparencies: 100
Media types	Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope
Media weight (tray 1)	60 to 200 g/m²
Media weight (tray 2)	60 to 120 g/m²
Media weight (tray 3)	60 to 120 g/m²
Media weight, supported	Tray 1: 60 to 200 g/m²; Automatic Duplexer: 60 to 120 g/m²
Media weight, supported	Automatic Duplexer: 16 to 32 lb
Memory	512 MB
Memory Slots	1 slot, 90-pin
Memory upgrade	Expandable to 1.5 GB through 1 GB 90-pin DDR3 DIMM
Minimum System Requirements	2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see microsoft.com;
Minimum System Requirements for Macintosh	2 GB available hard drive space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see apple.com;
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[7]
Number of print cartridges	1 (black)
Number of users	10-30 Users
Operating humidity range	10 to 80% RH
Operating temperature range	10 to 32.5℃
Operating temperature range	50 to 91°F
Orderable supplies	HP Staple Cartridge Refill J8J96A, HP LaserJet 110v Maintenance Kit L0H24A, HP LaserJet 220v Maintenance Kit L0H25A
Output capacity	Up to 500 sheets
Package dimensions (W x D x H)	597 x 497 x 539 mm
Package dimensions (W x D x H)	23.5 x 19.57 x 21.22 in
Package weight	27.3 kg
Package weight	60.1 lb
Page yield (set-up/inbox cartridges)	~10,500 pages black

Page yield footnote	Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.
Pallet dimensions	47.2 x 39.4 x 90.8 in AMS/EMEA, 47.2 x 39.4 x 69.6 in APJ
Pallet dimensions (W x D x H)	1200 x 1000 x 2307 mm AMS/EMEA, 1200 x 1000 x 1768 mm APJ
Pallet weight	456.6 Kg AMS/EMEA, 347.6 kg AP
Pallet weight	1006.5 lb AMS/EMEA, 766.2 lb AP
Paper handling input, optional	Optional 1x550-sheet paper feeder, optional 1x550 paper feeder and stand with cabinet, optional 3x550-sheet paper feeder and stand, optional high-capacity paper feeder and stand with 1x550 sheet feeder and 1x2,000-sheet feeder
Paper handling input, standard	100-sheet multipurpose feeder, 550-sheet input feeder
Paper handling output, optional	Optional 5 bin stapler stacker
Paper handling output, standard	500 sheet output bin
Paper trays, maximum	Up to 6
Paper trays, standard	2
Power	100V - 127V nominal @ +/-10% (min 90V, max 140V); 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz), 12 A; 220V - 240V nominal, @ +/-10% (min 198V, Max 264V); 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz), 6 A
Print Technology	Laser
Print colors	No
Print languages	HP PCL 6, HP PCL 5, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
Print quality black (normal)	FastRes 1200
Print resolution black (fine lines)	Up to 1200 x 1200 dpi
Print speed black (Landscape, A5)	Up to 100 ppm
Print speed black (Portrait, A5)	Up to 6 ppm
Print speed duplex (A4)	Up to 50 ipm
Print speed duplex (letter)	Up to 53 ipm
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)	[10]
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);
Processor speed	1.2 GHz
Quantity per pallet	16 AMS/EMEA 12 APJ
RMN number	BOISB-1502-00

Recommended media weight (duplex)	16 to 32 lb
Recommended media weight (duplex)	60 to 200 g/m²
Recommended monthly page volume	5000 to 25000[12]
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	59 to 80.6ºF
Recommended operating temperature range	15 to 27°C
Replacement cartridges footnote	Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.
Right margin (A4)	4.3 mm
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	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 Secure 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
Service level options	Onsite support within four hours after the service call is received within the coverage window
Service level options	Onsite replacement of your printer's maintenance kit including parts, materials, and labor
Service level options	Assembly, network configuration, and basic administrator familiarization

Service level options	Onsite service the next business day after the service call is received
Service level options, header	Installation with Network Configuration Service
Service level options, header	Maintenance Kit Replacement Service
Service level options, header	Next Business Day Onsite Support
Service level options, header	4 hour Onsite Support
Standard input capacity (envelopes)	Up to 10
Standard media sizes (duplex)	A4; A5; 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm); RA4; Oficio (216 x 340 mm)
Standard media sizes (duplex, imperial)	Letter; Legal; Executive; Oficio (8.5 x 13 in)
Standard output capacity (envelopes)	Up to 75 envelopes
Standard output capacity (transparencies)	200
Storage	4 GB EMMC
Storage device and direct print support	USB printing
Storage temperature range	-20 to 40ºC
Storage temperature range	-4 to 104ºF
Target user and print volume	For teams over 25 users; Prints up to 25,000 pages/month
Tariff numbers	8443321010 (National HTS); 8443321010 (AMS HTS); 8443321000 (EMEA HTS); 84433231 (AP HTS)
Top key features	Front-facing USB printing; Roam; Two-sided printing; Energy Efficient; Strong Security
Top margin (A4)	4.3 mm
Total package service recommended services description	Next Business Day Onsite Support
Total package service recommended services description	4 hour Onsite Support, Maintenance Kit Replacement Service or Preventive Maintenance, Installation with Network Configuration Service
Total package service recommended services description	Next Business Day Onsite Support, Maintenance Kit Replacement Service or Preventive Maintenance Service, Installation with Network Configuration Service
Total package service recommended services description headline	Standard Care (high level of uptime)
Total package service recommended services description headline	Optimized Care (optimum performance and stability)
Total package service recommended services description headline	Basic Care (minimum recommended support)

Total package service recommended services preface	Downtime can have serious consequences, so HP provides support recommendations beyond the standard warranty. You benefit from reduced risk, maximized uptime, and predictable service delivery while avoiding unbudgeted repair costs. Choose from:
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) number	Blue Angel: 2.525 kWh/Week; Energy Star: 0.733 kWh/Week[5]
UNSPSC code	43212105
UPC number	(201) 194721346322; (AB0) 194721346346; (AB2) 194721346353; (ABJ) 194721346360; (ABT) 194721346377; (ABY) 194721346384; (AC4) 194721346391; (AC8) 194721346407; (ACJ) 194721346414; (ACQ) 194721346421; (AKV) 194721346438; (B13) 194721346445; (B19) 194721346452; (BAZ) 194721346469; (BBU) 194721346476; (BGJ) 194721346483; (BGM) 194721346490
Warm-up time	130 sec
Waste electrical and electronic weight	21.6 kg
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: www.hp.com/go/securitymanager; HP JetAdvantage On Demand Cloud Solutions: www.hp.com/go/JetAdvantageondemand
What is in the box footnote	Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[2] Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[3] With print cartridges

[4] 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.

[5] 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

[6] Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[7] 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

JetAdvantage Printing Solutions

★ : Recommended

JetAdvantage Printing Security

Celiveo Enterprise	HP3PCELIVEO
HP Access Control Secure Printing and Job Accounting Solution	HPACSOLUTION
HP JetAdvantage Secure Print	HPJETADSECUREPRINT
HP JetAdvantage Security Manager	HPJETADSECMGR
HP Proximity Card Reader	HPPROXIMTYRDR
Kofax SafeCom Security and Job Accounting Solution	HPNSAFECOMSOL

JetAdvantage Print Management

HP JetAdvantage Insights	HPJETADINSIGHTS
HP Universal Print Driver	HPUNIVPRNTDRV
HP Web Jetadmin	HPWEBJETADMIN
LRS VPSX for Output Management	HP3PLRS

JetAdvantage Mobile Printing

HP PrinterOn Enterprise	PRINTERONENT
ePRINTit	HP3PEPRINTIT

Accessories

Memory

DDR Memory

HP 1 GB 90-pin DDR3 DIMM	2NR03A
HP 1 GB 90-pin DDR3 DIMM	G6W84A

Accessory Bundles

Printer Accessibility Accessories

HP Accessibility Assistant	2MU47A

Data Security Accessories

HP Removable Hard Drive Enclosure	2NR12A

Security and Protection

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 Universal USB Proximity Card Reader	X3D03A

PC Drives and Storage

EIO Hard Drives

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

Cables/Cable Kits/Cable Adapters

Port Cables and Cable Adapters

HP Internal USB Ports	B5L28A

Network Print Servers

External Print Servers

HP Jetdirect 3100w BLE/NFC/Wireless Accessory	3JN69A

Paper Handling

Input Trays

HP LaserJet 2100 Sheet Paper Tray	L0H18A
HP LaserJet 550-sheet Paper Tray	L0H17A
HP LaserJet Extension Tray Cover	L0H22A

Envelope Feeders

HP LaserJet Envelope Feeder	L0H21A

Output Trays and Stackers

HP LaserJet Stapler/Stacker/Mailbox	L0H20A

Staple Cartridges

HP Staple Cartridge Refill	J8J96A

Cabinets and Stands

Printer Cabinets and Stands

HP LaserJet Printer Stand	L0H19A

HP Laser Toner Cartridges and Kits

★ : Recommended

HP Black and White Laser Toner Printer Cartridges

HP 147A Black Original LaserJet Toner Cartridge	W1470A
HP 147X High Yield Black Original LaserJet Toner Cartridge	W1470X
HP 147Y Extra High Yield Black Original LaserJet Toner Cartridge	W1470Y

HP Laser Printer Supply Kits

HP LaserJet 110V Maintenance Kit	L0H24A
HP LaserJet 220V Maintenance Kit	J8J88A
HP LaserJet 220V Maintenance Kit	L0H25A

HP Paper Designed for Laser Printers

HP Laser Everyday Paper

HP Everyday Laser Glossy FSC Paper 120 gsm-150 sht/A3/297 x 420 mm	7MV81A
HP Everyday Laser Glossy FSC Paper 120 gsm-150 sht/A4/210 x 297 mm	7MV82A
HP Everyday Laser Glossy FSC Paper 120 gsm-150 sht/Letter 8.5 x 11 in	4WN08A
HP Everyday Laser Glossy FSC Paper 120 gsm-150 sht/Tabloid/11 x 17 in	4WN07A

HP Professional Laser Paper

HP Professional Glossy Laser Paper 120 gsm-250 sht/A3/297 x 420 mm	CG969A
HP Professional Glossy Laser Paper 150 gsm-150 sht/A4/210 x 297 mm	CG965A
HP Professional Laser Glossy FSC Paper 200 gsm-150 sht/A4/210 x 297 mm	7MV83A
HP Professional Laser Glossy FSC Paper 200 gsm-150 sht/Letter/8.5 x 11 in	4WN10A
HP Professional Laser Matte FSC Paper 200 gsm-150 sht/A4/210 x 297 mm	7MV80A
HP Professional Laser Matte FSC Paper 200 gsm-150 sht/Letter/8.5 x 11 in	4WN05A

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