Specifications

SKU

Sku	**4ZB97A**

PRINT

Print speed, black	**11 - 20**
Color or black	**Color**
Print speed, color	**<=10**

CATEGORY

Product types	**Laser printers**
Family brand	**LaserJet**

USAGE

Perfect for	**Business**
Usage	**Small work team**

FEATURES

Features	**Print from mobile device**
Functions	**Print scan copy and fax**

CONNECTIVITY AND COMMUNICATIONS

Connectivity, optional	**None**
Modem	**33.6 kbps**

Connectivity, standard	**Hi-speed USB 2.0 port, Fast Ethernet 10/100Base-Tx network port, Wireless 802.11 b/g/n**
Network capabilities	**Via built-in 10/100 Base-TX networking**
Wireless capability	**Yes, built-in Wi-Fi 802.11 b/g/n**
Mobile printing capability	**Apple AirPrint™; Mobile Apps; Google Cloud Print™; Wi-Fi® Direct Printing; Mopria™ Certified**
Network protocols, supported	**Via built-in networking solution: TCP/IP, IPv4, IPv6; print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), WSD; discovery: SLP, Bonjour, WS-Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); management: SNMPv1/v2/v3, HTTP**

PRINTING MEDIA HANDLING

Finished output handling	**Sheetfed**
Output capacity	**Up to 50 sheets**
Maximum output capacity (sheets)	**Up to 50 sheets**
Media type and capacity, tray 1	**Sheets (75 g/m²): 150**
Media type and capacity, ADF	**sheets: 40**

Paper handling input, standard	150-sheet input tray
Input capacity	Up to 150 sheets
Paper handling output, standard	50-sheet output bin
Maximum input capacity (sheets)	Up to 150 sheets

DISPLAY SPECIFICATIONS

Display	2-Line LCD
Display area (metric)	65.5 x 14.8 cm

CARTRIDGES AND PRINTHEADS

Technology	Laser
Number of print cartridges	4 (1 each black, cyan, magenta, yellow)
Replacement cartridges	HP 116A Original Laser Toner Cartridge (~1000/~700 pages) W2060A/W2061A/W2062A/W2063A (AMS); HP 117A Original Laser Toner Cartridge (~1000/~700 pages) W2070A/W2071A/W2072A/W2073A (EMEA); HP 118A Original Laser Toner Cartridge (~1000/~700 pages) W2080A/W2081A/W2082A/W2083A (China Only); HP 119A Original Laser Toner Cartridge (~1000/~700 pages) W2090A/W2091A/W2092A/W2093A (APJ excl China); Drum WW (less China) W1120A; Drum (China only) W1132A

PRINT SPEED

Print speed black (normal, letter)	**Up to 19 ppm**
Print speed black (normal, A4)	**Up to 18 ppm**
Print speed colour (normal, A4)	**Up to 4 ppm**
Print speed	**Print speed up to 19 ppm (black) and 4 ppm (color)**
Print speed color (normal, letter)	**Up to 4 ppm**

COPY SPEED

Copy speed (black, normal quality, A4)	**Up to 14 cpm**
Copy speed (colour, normal quality, A4)	**Up to 4 cpm**

Copy speed black (normal, letter)	Up to 14 cpm
Copy speed color (normal, letter)	Up to 4 cpm

BATTERY AND POWER

Power	110-volt input voltage: 110 to 127 VAC, 50/60 Hz and 220-volt input voltage: 220 to 240 VAC, 50/60 Hz
Power Consumption Description	300 watts (Active Printing), 38 watts (Ready), 1.9 watts (Sleep), 0.2 watts (Manual off)
Power supply type	Internal (Built-in) power supply

DIGITAL SENDER SPECIFICATIONS

Digital sending standard features	Scan to WSD; PC Scan

PRINT TIME

First page out black (letter, ready)	As fast as 12.4 sec
First page out black (A4, ready)	As fast as 12.4 sec

First page out color (A4, ready)	**As fast as 25.3 sec**
First page out color (letter, ready)	**As fast as 25.3 sec**
First page out black (letter, sleep)	**As fast as 13 sec (15 min)**
First page out black (A4, sleep)	**As fast as 13 sec (15 min)**
First page out color (letter, sleep)	**As fast as 26 sec (15 min)**
First page out color (A4, sleep)	**As fast as 26 sec (15 min)**

PRINTER SPECIFICATIONS

Duty cycle (monthly, letter)	**Up to 20,000 pages**
Duty cycle note	**Duty cycle is defined as the maximum number of pages per month of imaged output.**
Envelope feeder	**No**

Recommended monthly page volume note	HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.
Functions	Print, copy, scan, fax
Print languages	SPL
Paper trays, maximum	1
Duty cycle (monthly, A4)	Up to 20,000 pages
Paper trays, standard	1
Recommended monthly page volume	100 to 500
Print technology	Laser
Duplex printing	Manual (driver support provided)
Warm-up time	38 sec
Automatic paper sensor	No
Print colours	Yes
Top key features	Scan to PDF

Target user and print volume	For teams up to 5 users; Prints up to 500 pages/month

SCANNER SPECIFICATIONS

Scan size (ADF), maximum	216 x 356 mm
Scan file format	PDF, JPG, TIFF
Color scanning	Yes
Auto document feeder capacity	Standard, 40 sheets
Scanner type	Flatbed, ADF
Scan size, maximum	216 x 297 mm
Levels of grayscale	256
Scan input modes	Front-panel scan, copy, HP MFP scan software, user application via TWAIN or WIA
Scan size ADF (minimum)	145 x 145 mm
Bit Depth	24-bit (color); 8-bit (mono)
Twain version	Version 1.9
Recommended monthly scan volume	6250 to 10,500

Native scan file format	**PDF; JPG; TIFF**
Scan technology	**Contact Image Sensor (CIS)**
Recommended monthly scan volume note	**HP recommends that the number of scanned pages per month be within the stated range for optimum device performance**

CERTIFICATION AND COMPLIANCE

ENERGY STAR® certified	**No**
Energy Efficiency Compliance	**CECP**
Electromagnetic Emission Standard	**EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN55024: 2010, EN 55032: 2012/AC: 2013, 47 CFR Part 15, Subpart B I ANSI C63.4-2009, ICES-003 Issue 5, KN32, KN35, GB/T 9254-2008, GB17625.1-2012, CISPR22: 2008, CISPR32: 2012, CNS 13438 (Other EMC approvals as required by individual countries.)**
Safety Approvals and Requirements	**IEC 60950-1: 2005 +A1: 2009 +A2 2013 (International); EN 60950-1: 2006 +A11: 2009 +A1: 2010 +A12: 2011 +A2: 2013 (EU); IEC/EN 60825-1: 2014 (Class 1 Laser Product); EN 62479: 2010 /IEC 62749: 2010; Low Voltage Directive 2006/95/EC 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. 2014-10; Compliance with Laser safety standards 21 CFR 1002.10 and 1002.11 except for deviations pursuant to Laser notice No. 50, Dated June 24, 2007; Other safety approvals as required by individual countries**
Telecom compliance (fax capability)	**EBR21, FCC Prat 68**

Environmental	Mercury free
Certifications and compliances	UL listed, CSA (Canada), CE Marking, Nemko, Fimko, Demko, Semko, Eastern European
FCC Class A Emissions	FCC Class A emissions - for use in commercial environments, not residential environments

GEOGRAPHIC

Country of origin	Made in China (179fnw and cartridges); (#AB0); (#AB2); (#ACJ); (#BBU); (#BGM); (#BGJ); (#ABT); (#ABY); (#ACQ); (#B19); (#BAZ)

ENVIRONMENTAL

Operating humidity range	10 to 80% RH (non-condensing)
Storage temperature range	-20 to 40°C
Operating temperature range	10 to 30°C
Acoustic power emissions	6.5 B(A) (printing at with Mono mode); 6.1 B(A) (printing at with Color mode)
Recommended operating temperature range	15 to 27°C
Acoustic power emissions (active scan)	6.2 B(A) (Scanning at 18 ipm with ADF only)

WARRANTY

Warranty	**One-year limited hardware warranty; For more info please visit us at https://support.hp.com**

DIMENSIONS

Dimensions without stand (W x D x H)	**406 x 363 x 344.1 mm**
Package dimensions (W x D x H)	**501 x 466 x 440 mm**
Maximum dimensions (W x D x H)	**421.9 x 422.9 x 344.1 mm**
Dimension note (metric)	**Dimensions vary as per configuration**

WEIGHTS

Weight	**14.08 kg**
Package weight	**17.38 kg**
Weight note (metric)	**Weight varies as per configuration**

FAX SPECIFICATIONS

Auto redial	**Yes**
Speed dials, maximum number	**Up to 200 numbers**
Fax memory	**Up to 400 pages**

Polling	No
Fax forwarding	Yes
Broadcast locations	210
Fax delayed sending	Yes
Faxing	Yes
Junk fax barrier	Yes, requires Caller ID
Remote retrieval	No
Auto fax reduction supported	Yes
PC interface supported	Yes
Telephone handset supported	No
Distinctive ring detection supported	Yes
Fax telephone mode supported	Yes
Fax memory	Up to 400 pages

SYSTEM COMPONENTS

Control panel	**2-Line LCD; 31 Buttons(Power, Cancel, Start(Mono/Color), Navigation(Menu, OK, Back, Left, Right), ID_Copy, Contrast, Scale, Wireless, Numeric & Tel(1~9, 0, *, #, Address Book, Redial, On hook), Mode(Fax, Copy, Scan to); LED indicator lights(Power, Status, Wireless, Mode)**

PROCESSOR

Processor speed	**800 MHz**

SCAN RESOLUTION

Scan Resolution, Hardware	**Up to 4,800 x 4,800 dpi**
Enhanced scanning resolution	**Up to 19,200 dpi**
Scan Resolution, Optical	**Up to 600 × 600 dpi**

MEMORY

Memory	**128 MB**
Memory, maximum	**128 MB**

BOX CONTENTS

Cable included	**Yes, 1 USB**

FAX SPEED

Fax transmission speed	**33.6 kbps**
Fax transmission speed	**33.6 kbps**

SUPPORTED PRINTING MEDIA

Media sizes supported	**Tray1: A4; A5; A6; B5 (JIS); Oficio 216 x 340. Tray2: Not supported; Optional Automatic duplexer: Not supported**
Media size, tray 1	**A4; A5; A6; B5 (JIS); Oficio 216 x 340, 76 x 148.5 to 216 x 356 mm**
Standard media sizes (duplex)	**Not supported duplex, but only supported manual duplex.**
Media weight, supported	**60 to 220 g/m²**
Media types	**Plain, Light, Heavy, Extra Heavy, Colored, Preprinted, Recycle, Labels, Bond, Glossy**
Media weight (tray 1)	**60 to 220 g/m²**
Media weights, supported, ADF	**60 to 105 g/m²**
Media sizes, custom	**76 x 148.5 to 216 x 356 mm**
Media sizes supported, key	**10 x 15 cm; A4**
Media size (ADF)	**B5**

SYSTEM REQUIREMENTS

Minimum System Requirements for Macintosh	OS X v10.11 or newer, 1.5 GB HD, Internet, USB
Minimum System Requirements	Windows 7 or newer, Intel® Pentium® IV 1 GHz 32-bit or 64-bit processor or higher, 1 GB RAM, 16 GB HDD

FAX RESOLUTION

Fax resolution	Up to 300 x 300 dpi
Resolution (black and white, standard mode)	203 x 98 dpi
Fax resolution black	Up to 203 x 196 dpi
Resolution (black and white, superfine mode)	Up to 300 x 300 dpi
Resolution (black photo grayscale)	300 x 300 dpi

SOFTWARE AND APPLICATIONS

Driver updates	Latest supported operating systems and print drivers available at https://support.hp.com
Downloadable software	V3 Print Driver with Lite SM, TWAIN/WIA Driver, HP MFP Scan, OCR program, HP LJ PC-FAX (Only for 4-in-1 model)
Mac compatible	Yes

Software included	**Common Installer, V3 Print Driver with Lite SM, TWAIN/WIA Driver, HP MFP Scan, HP LJ Network PC-FAX, OCR program**

SUPPORTED OPERATING SYSTEMS

Compatible Operating Systems	**Windows®: 7 (32/64 bit), 2008 Server R2, 8 (32/64 bit), 8.1 (32/64 bit), 10 (32/64 bit), 2012 Server, 2016 Server, macOS v10.14 Mojave, macOS v10.13 High Sierra, macOS v10.12 Sierra, OS X v10.11 El Capitan**
Compatible network operating systems	**Windows®: 7 (32/64 bit), 2008 Server R2, 8 (32/64 bit), 8.1 (32/64 bit), 10 (32/64 bit), 2012 Server, 2016 Server, macOS v10.14 Mojave, macOS v10.13 High Sierra, macOS v10.12 Sierra, OS X v10.11 El Capitan**
Operating system (supported note)	**Windows 7 or higher**

PRINT RESOLUTION

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

RACK AND POWER SPECIFICATIONS

Typical electricity consumption (TEC) number	0.876 kWh/Week (BA), 1.093 kWh/Week (ES)
Number of users	1-5 Users

PRINT AREA

Maximum print area	216 x 356 mm
Right margin (A4)	5 mm
Top margin (A4)	5 mm
Bottom margin (A4)	5 mm
Left margin (A4)	5 mm

SERVICES

Services (Care Pack)	**UB4W6E - HP 2 year Onsite Exchange Service for Color Laser 15x and 17x MFP; UB4W7E - HP 3 year Onsite Exchange Service for Color Laser 15x and 17x MFP; UB4W8E - HP 4 year Onsite Exchange Service for Color Laser 15x and 17x MFP; UB4W9E - HP 2 year Next Business Day Exchange Service for Color Laser 15x and 17x MFP; UB4X0E - HP 3 year Next Business Day Exchange Service for Color Laser 15x and 17x MFP; UB4X1E - HP 4 year Next Business Day Exchange Service for Color Laser 15x and 17x MFP; UB4X2E - HP 2 year Standard Exchange Service for Color Laser 15x and 17x MFP; UB4X3E - HP 3 year Standard Exchange Service for Color Laser 15x and 17x MFP; UB4X4E - HP 4 year Standard Exchange Service for Color Laser 15x and 17x MFP; UB4X5E - HP 2 year Return to Depot Service for Color Laser 15x and 17x MFP; UB4X6E - HP 3 year Return to Depot Service for Color Laser 15x and 17x MFP; UB4X7E - HP 4 year Return to Depot Service for Color Laser 15x and 17x MFP**

ADVANCED FEATURES

Scanner advanced features	**Scan to WSD (network support only);Book Scanning; Poster Stitching for multiple scan; Text Converting; Scan to E-Book; Existing File to E-Book**
Copier smart software features	**Automatic document feeding; Automatic adjusting background; Extended layout(2-up, 4-up, ID copy); expanded contrast adjustments (11 different settings);Scale from one paper size to another(Letter>A4, AutoFit)**
Printer smart software features	**Manual duplex and booklet print, N-up printing, skip blank pages, poster print, watermarks**
Fax smart software features	**Permanent fax memory backup, color faxing, auto fax reduction, auto redialing, delayed sending, fax forwarding, PC fax, Secure receive**
Energy savings feature technology	**HP Auto-Off Technology**

COPIER SPECIFICATIONS

Copies, maximum	**Up to 999 copies**
Copy reduce / enlarge settings	**25 to 400%**
Copier scaling (ADF)	**25 to 400%**
Copier settings	**Copies; Original Size; Reduce/Enlarge; Darkness; Original Type; Collation; 2-Up; 4-Up; ID Copy; Adjust Background; Auto Fit Copy; Color Mode**

SECURITY MANAGEMENT

Security management	**Password-protected network embedded Web server; enable/disable Network ports; SNMPv1 community password change; SNMPV2&V3; IPSec; Filtering : MAC, IPv4, IPv6**

COMPATIBILITY

Orderable supplies	**HP 120A Original Laser Imaging Drum for WW W1120A, HP 132A Original Laser Imaging Drum for China W1132A, HP Laser Toner Collection Unit for WW 5KZ38A, HP Laser Toner Collection Unit for China 5LX86A**

SCAN SPEED

Scan speed (normal, A4)	**Up to 15 ipm (b&w), up to 6 ipm (color)**
Scan speed duplex (normal, A4)	**Up to 15 ipm (b&w), up to 6 ipm (color)**

MULTIMEDIA AND INPUT DEVICES

Fax phone TAM interface supported	Yes
Resolution	Up to 600 dpi