Specifications

SKU

Sku	**4QD21A**

PRINT

Print speed, black	**21 - 30**
Color output	**Black and white**

CATEGORY

Product type	**Laser printers, Multifunction printers**
Family brand	**LaserJet**

USAGE

Perfect For	**Home**
Usage	**Business personal**

FEATURES

Functions	**Print scan and copy**

PRINTING MEDIA HANDLING

Envelope input capacity	**Up to 1 envelope**
Output capacity	**Up to 100 sheets**
Maximum output capacity (sheets)	**Up to 100 sheets**

Media type and capacity, tray 1	**Sheets: 150; Envelopes: 1**
Paper handling input, standard	**150-sheet input tray**
Input capacity	**Up to 150 sheets**
Paper handling output, standard	**100-sheet output bin**
Maximum input capacity (sheets)	**Up to 150 sheets**

DISPLAY SPECIFICATIONS

Display HP	**ICON LCD**
Display area (metric)	**32 x 32 mm**
Display area (imperial)	**1.26 x 1.26 in**

ENVIRONMENTAL

Acoustic pressure emissions bystander (active, printing)	**51 dB(A)**
Operating humidity range	**10 to 80% RH**
Storage temperature range	**-20 to 40°C**

Operating temperature range	**15 to 32.5°C**
Acoustic power emissions	**6.5 B(A)**
Recommended operating temperature range	**17.5 to 25°C**
Acoustic power emissions (ready)	**2.6 B(A)**
Acoustic pressure emissions bystander (ready)	**26 dB(A)**

CARTRIDGES AND PRINTHEADS

Technology	**Laser**
Replacement cartridges	**HP 103A Black Original Neverstop Laser Toner Reload Kit (Yield ~2500 pages); HP 103AD Dual pack Black Original Neverstop Laser Toner Reload Kit(Yield ~2x2500 pages) ;HP 104A Black Original Laser Imaging Drum(includes ~5000 pages of inbox toner, useful life of ~20000 pages)**
Supplies feature	**HP Neverstop Laser Technology**

PRINT SPEED

Print speed black (normal, letter)	**Up to 21 ppm**
Print speed black (normal, A4)	**Up to 20 ppm**

Print speed	**Print speed up to 20 ppm (black)**

BATTERY AND POWER

Power	**110V - 127V nominal @ +/-10% (min 99V, max 140V), 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz), 220V - 240V nominal @ +/-10% (min 198V, Max 264V), 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz)**
Power Consumption	**325 watts (active printing), 3.2 watts (ready), 0.6 watts (sleep), 0.1 watts (manual off)**
Power supply type	**Internal (Built-in) power supply**

PRINT TIME

First page out black (letter, ready)	**As fast as 7.6 sec**
First page out black (A4, ready)	**As fast as 7.6 sec**
First page out black (letter, sleep)	**As fast as 14 sec (15 min)**
First page out black (A4, sleep)	**As fast as 14 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. 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.**
Functions	**Print, copy, scan**
Internal Storage	**None**
Print languages	**PCLmS; URF; PWG**
Paper trays, maximum	**1 input tray**
Duty cycle (monthly, A4)	**Up to 20,000 pages**
Paper trays, standard	**1 input tray**
Recommended monthly page volume	**250 to 2500**
Print technology	**Laser**
Duplex printing	**Manual (driver support provided)**
Warm-up time	**13 sec**
Automatic paper sensor	**Yes**
Printer management	**HP Printer Assistant (UDC); HP Device Toolbox; HP Utility (Mac)**
Print colours	**No**

Top key features	Scan to PDF
Target user and print volume	For teams up to 5 users; Prints up to 2,500 pages/month

CERTIFICATION AND COMPLIANCE

ENERGY STAR® certified	Yes
Energy Efficiency Compliance	ENERGY STAR® qualified

GEOGRAPHIC

Country of origin	Made in China (WW except for option code #696, #697,#AC8); Made in Brazil (Option code #696, #697, #AC8)

WARRANTY

Warranty	1 year onsite warranty

DIMENSIONS

Dimensions without stand (W x D x H)	380.5 x 293.4 x 287 mm

WEIGHTS

Weight	8.71 kg
Package weight	10.8 kg
Package weight	23.8 lb

CONNECTIVITY AND COMMUNICATIONS

Connectivity, standard	Hi-Speed USB 2.0
Wireless capability	No

SYSTEM COMPONENTS

Control panel	**ICON LCD**

PROCESSOR

Processor speed	**500 MHz**

SCAN RESOLUTION

Scan Resolution, Hardware	**Up to 600 ppi**
Scan Resolution, Optical	**Up to 600 ppi**

MEMORY

Memory	**64 MB**
Memory, maximum	**64 MB**

BOX CONTENTS

Cable included	**Yes. 1 USB Cable (AP Only). Other regions: Please purchase USB cable separately**

SUPPORTED PRINTING MEDIA

Media sizes supported	**A6; A5; A4; Letter; No.10 Env; C5 Env; DL Env; B5(JIS); 105 x 148.5 mm to 215.9 x 297 mm**
Media size, tray 1	**A6; A5; A4; Letter; No.10 Env; C5 Env; DL Env; B5(JIS) ; 105 x 148.5 mm to 215.9 x 297 mm**
Media weight, supported	**60 to 120 g/m²**
Media types	**Plain paper, Heavy paper, Bond paper, Label, Light paper, Envelope**
Media weight (tray 1)	**60 to 120 g/m²**

Media sizes, custom	**105 x 148.5 mm to 215.9 x 297 mm**
Media sizes supported, key	**Letter; Envelopes**
Media sizes supported, key	**A4; Envelopes**
Media weight, supported	**14 to 27 lb**
Media sizes supported	**Letter; envelopes (No.10); custom**
Media sizes, custom	**4.13 x 5.85 to 8.5 x 11.69**

SYSTEM REQUIREMENTS

Minimum System Requirements for Macintosh	**Apple®OS X EI Capitan (v10.11) macOS Sierra (v10.12) macOS High Sierra, (v10.13); 1.5 GB HD; Internet required; USB**
Minimum System Requirements	**Windows® 10, 8.1, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer.**

SOFTWARE AND APPLICATIONS

Driver updates	**Latest supported operating systems and print drivers available at https://support.hp.com**

Downloadable software	**From 123.hp.com: HP Easy Start (Guided Software Install for Windows and Mac); From HP.com for Windows OS: Full-solution software and drivers (Same solution as "Software Included"); Basic-solution software and drivers (with installer) Product Documentation and Support; From HP.com for Mac OS: HP Easy Start (Guided Software Install); For Mobile OS: See "HP Mobile Printing" (http://www8.hp.com/us/en/ads/mobility/overview.html); From In-OS app stores: HP Smart for Windows(HP AiO Remote for Win 8+); HP recommended printer drivers and software; From HP.com for printer administrators: Linux Print Drivers; HP Web JetAdmin Software (HP SNMP Proxy Agent); ReadIris Software**
Mac compatible	**Yes**
Software included	**For Windows OS: HP Software Installer, HP Software Uninstaller (exclude Win8+), HP PCLmS Printer Driver, HP Device Experience (DXP), HP Web Services Assist (HP Connected), Device Setup & Software, Online user manuals, HP Printer Assistant, HP Scan Driver, HP Scan Application, HP Product Improvement Study. For Mac OS: Welcome Screen, (Directs users to HP.com or OS App Source for LaserJet Software)**

SUPPORTED OPERATING SYSTEMS

Compatible Operating Systems	**Windows® 10, 8.1, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer. Apple®OS X EI Capitan (v10.11) macOS Sierra (v10.12) macOS High Sierra, (v10.13); 1.5 GB HD; Internet required; USB Linux (For more information, see https://developers.hp.com/hp-linux-imaging-and-printing)**
Compatible network operating systems	**Windows® 10, 8.1, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer. Apple®OS X EI Capitan (v10.11) macOS Sierra (v10.12) macOS High Sierra, (v10.13); 1.5 GB HD; Internet required; USB Linux (For more information, see https://developers.hp.com/hp-linux-imaging-and-printing**

Operating system (supported note)	**Not supporting Windows® XP (64-bit) and Windows Vista® (64-bit). Not all "Compatible Operating Systems" are supported with INBOX software; Full solution software available only for Windows 7 and newer; For Windows Server 2008 R2 64-bit, 2012 64-bit, 2012 R2 64-bit, 2016 64-bit only print driver is installed. Windows RT OS for Tablets (32 & 64-bit) uses a simplified HP print driver built into the RT OS; Linux systems use in-OS HPLIP software.**

PRINT RESOLUTION

Print quality black (normal)	**Up to 600 x 600 x 2 dpi**
Print quality black (best)	**Up to 600 x 600 x 2 dpi**
Print resolution black (fine lines)	**Up to 600 x 600 dpi**

RACK AND POWER SPECIFICATIONS

Typical electricity consumption (TEC) number	**ES: 0.721 kWh/Week**
Number of users	**1-5 Users**

PRINT AREA

Right margin (A4)	**2 mm**
Top margin (A4)	**2 mm**
Bottom margin (A4)	**2 mm**

Left margin (A4)	**2 mm**

ADVANCED FEATURES

Scanner advanced features	**No**
Copier smart software features	**ID Copy**
Printer smart software features	**HP Auto-On/Auto-Off,HP Smart App**

SCANNER SPECIFICATIONS

Scan file format	**JPG, RAW (BMP), PNG, TIFF, PDF**
Color scanning	**Yes**
Scanner type	**Flatbed**
Scan size, maximum	**216 x 297 mm**
Levels of grayscale	**256**
Bit Depth	**24-bit**
Twain version	**Version 2.1 (Windows 7 or higher)**
Software scan file format	**JPG, RAW (BMP), PNG, TIFF, PDF**
Scan size, maximum	**8.5 x 11.7 in**

Recommended monthly scan 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.**

COPIER SPECIFICATIONS

Copies, maximum	**Up to 99 copies**
Copy reduce / enlarge settings	**25 to 400%**
Copier settings	**Number of Copies; Lighter/Darker; Optimize; Paper**