HP PageWide Enterprise Color Flow MFP 785zs (J7Z12A)

Overview

HP PageWide Enterprise delivers the lowest color cost,[1] maximum uptime, and strongest security.[2]

Modern business demands forward-thinking technology—it's why HP engineered the next generation of HP PageWide Enterprise to deliver a competitive edge from every angle: lowest color cost,[1] maximum uptime, and the industry's strongest security.[2]

The lowest cost for color[1]

Get the quality you expect with HP PageWide Technology that delivers the lowest cost per color page.[1]

The world's most secure printing[2]

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

Minimal interruptions. Maximum uptime.

Minimize interruptions with an HP PageWide device designed for the least maintenance in its class.[6]

Give workgroups the speed they need

Help workgroups capture every page easily and detect potential errors or missed pages —every time.

Features

Breakthrough value—the lowest cost per color page[1]

High-yield cartridges for an even better value[3]

General Office mode for faster, lower-cost prints[4]

Best-in-class energy efficiency[5]

Fewer parts, less maintenance[6]

Up to 50% faster than competitors—speeds as fast as 75 ppm[7]

---

[1] Lowest cost per color page claim applies to devices that are not sold under contract: Comparison of HP PageWide A3 devices with the majority of in-class color ink/laser MFPs ($3000-$7499), and color ink/laser single function printers ($1500-$2999) as of January/February 2017; market share as reported by IDC as of Q4 2016. Cost per page (CPP) reported by gap intelligence Pricing & Promotions Report January/February 2017, comparisons for devices/supplies not sold under contract are based on published specifications of the manufacturers' highest-capacity cartridges, inclusive of long life consumables and page yield. Average HP yield based on ISO/IEC 24711 and continuous printing in default mode. Actual yield varies based on content of printed pages and other factors. For more information, see http://www.hp.com/go/learnaboutsupplies and http://www.hp.com/go/PageWideClaims

[2] 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

[3] High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 982X series High-Yield Original PageWide Cartridges compared with HP 982A series Original PageWide Cartridges. Learn more at http://www.hp.com/go/learnaboutsupplies

[4] Comparison based on printing in Professional Mode.

[5] Energy claim based on TEC data reported on energystar.gov as of February 2018. Data normalized to determine energy efficiency of in-class color laser printers and MFPs with print speeds between 20-80 ppm as of February 2018. Subject to device settings. Actual results may vary.

[6] Fewer service parts claim based on HP analysis of leading in-class A3 color laser printers and MFPs as of February 2018; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% color ratio). Learn more at http://www.hp.com/go/pagewideclaims

[7] Comparison of HP PageWide A3 devices with the majority of in-class color ink/laser MFPs ($3,000-$10,299 and €2,820-€10,199), and color ink/laser single function printers ($1,500-$4,299 and €1,410-€4,099) as of April 2018 excluding other HP PageWide products; competitive set based on market share data as reported by IDC as of Q4 2017, MSRP data provided by gap intelligence and/or Buyers Lab. HP PageWide speeds based on General Office mode and exclude first page. Learn more at http://www.hp.com/go/printerspeeds

Specifications

Print Resolution Technologies	HP PageWide Technology up to 1200 x 1200 optimized dpi from 600 x 600 input dpi
Print quality black (best)	Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte)
Print quality color (best)	Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
Print speed black (ISO, A4)	Up to 55 ppm
Print speed black (ISO, letter)	Up to 55 ppm
Print Speed Color (ISO)	Up to 55 ppm
Print speed color (ISO)	Up to 55 ppm
Print speed	Print speed up to 55 ppm (black) and 55 ppm (color)
Functions	Print, copy, scan, fax
Duplex printing	Automatic (standard)
Duty cycle (monthly, A4)	Up to 125,000 pages
Duty cycle (monthly, letter)	Up to 125,000 pages
Printer smart software features	HP SureStart; Run-time Intrusion detection; Whitelisting; HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web Jetadmin; Open Extensibility Platform, FutureSmart Firmware, HP ePrint, Apple AirPrint™, HP Auto-On/Auto-Off technology, HP Color Access Control, HP EasyColor, Front-facing USB printing, store print jobs, HP EasyColor, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: HP and third party extensibility solutions; wireless
Copier smart software features	Auto scale; Reduce/enlarge from scanner glass (25 to 400 percent); Collate; Auto color detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build
Scanner advanced features	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR), Auto crop to page; Auto-tone
Fax smart software features	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule
Energy savings feature technology	HP Auto-on/Auto-off Technology

Replacement cartridges	HP 982A Black Original PageWide Crtg (10,000 yield) T0B26A; HP 982A Cyan Original PageWide Crtg (8,000 yield) T0B23A; HP 982A Magenta Original PageWide Crtg (8,000 yield) T0B24A; HP 982A Yellow Original PageWide Crtg (8,000 yield) T0B25A; HP 982X Black Original PageWide Crtg (20,000 yield) T0B30A; HP 982X Cyan Original PageWide Crtg (16,000 yield) T0B27A; HP 982X Magenta Original PageWide Crtg (16,000 yield) T0B28A; HP 982X Yellow Original PageWide Crtg (16,000 yield) T0B29A
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000TX network; 1 Wireless 802.11b/g/n; 1 Bluetooth Low Energy; 1 RJ-11 modem port/phone line
Connectivity, optional	HP Jetdirect 3000w NFC/Wireless Accessory J8030A, HP Jetdirect 2900nw Print Server J8031A
Modem	33.6 kbps
Network capabilities	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)
Wireless capability	Yes, built-in WiFi 802.11b/g/n
Mobile printing capability	HP ePrint, Apple AirPrint™, Google Cloud Print
Network protocols, supported	IPv4/IPv6: Apple Bonjour Compatible (Mac OS v10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print
Software included	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
Compatible Operating Systems	Windows 11; Windows 10; Windows 8; Windows 8.1; Windows 7; Windows Vista; Android; macOS X 10.10 Yosemite; macOS 10.11 El Capitan; macOS 10.12 Sierra; Linux; UNIX *(Full solution software available only for Windows 7 and newer, UPD software available only for Windows 7 and newer HP Software for Mac and Windows is no longer included on the CD, but can be downloaded from 123.hp.com, Legacy Windows Operating Systems (XP, Vista, and equivalent servers) get print and Scan drivers only, with a reduced feature set Windows RT OS for Tablets (32- & 64-bit) uses a simplified HP print driver built into the RT OS)*
Sustainable impact specifications	EN 300 330-2 V1.6.1
Energy star certified	Yes
Copy speed black (best, A4)	Up to 55 cpm
Copy speed black (best, letter)	Up to 55 cpm
Copy speed color (best, A4)	Up to 55 cpm
Copy speed color (best, letter)	Up to 55 cpm
Digital sending standard features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF
Fax Resolution Black (best)	Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Scan speed (normal, A4)	Up to 120 ppm (b&w), up to 120 ppm (color)
Scan speed (normal, letter)	Up to 120 ppm (b&w), up to 120 ppm (color)

Scan file format	Digital Send: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
Scan input modes	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXP) applications
Scan technology	Charge Coupled Device (CCD) & Contact Image Sensor (CIS)
Scanner type	Flatbed, ADF
Display	8.0 in (20.3 cm) touchscreen, XGA Color Graphic Display (CGD)
Minimum dimensions (W x D x H)	604 x 652 x 1222 mm
Minimum dimensions (W x D x H)	23.8 x 25.7 x 48.1 in
Weight	119.7 kg
Weight	268.96 lb
Power consumption	660 watts (max. print/copy), 137 watts (print/copy), 43 watts (ready), 1.56 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off)[1] *(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	Internal (Built-in) power supply
What's in the box	HP PageWide Enterprise Color Flow MFP 785zs; HP Setup Ink Cartridges (yield after setup ~8000 pages CMY and 10000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
Manufacturer Warranty	One-year, next-business day, onsite 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. (wty code 4G)

Additional specifications

ADF Capacity	200
Accessories	HP Accessibility Assistant 2MU47A, HP Removable Hard Drive Enclosure 2NR12A, HP Accessibility Kit 2TD64A, HP PageWide 550-sheet Paper Tray A7W99A, HP Internal USB Ports B5L28A, HP Foreign Interface Harness B5L31A, HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM E5K48A, HP 300 ADF Roller Replacement Kit J8J95A, HP Staple Cartridge Refill J8J96A, HP PageWide Printhead Wiper Kit W1B43A, HP PageWide Service Fluid Container W1B44A, HP PageWide Roller Kit W1B45A, HP PageWide 550-sheet Paper Tray Stand W1B50A, HP PageWide 4K Sheet HCI Paper Tray Stand W1B52A
Acoustic power emissions (active copy)	6.9 B(A)
Acoustic power emissions (active scan)	7.3 B(A) (scanning at 129 ppm with ADF running)
Acoustic power emissions (active, printing)	6.6 B(A)
Acoustic power emissions (ready)	Inaudible
Acoustic pressure emissions	51 dB(A) (printing at 56ppm)
Acoustic pressure emissions bystander (active scan)	58 dB(A) (scanning at 129 ppm with ADF running)
Acoustic pressure emissions bystander (ready)	Inaudible
Additional information about HP	http://www.hp.com
Additional information about HP in the countries	hp.com
Auto fax reduction supported	Yes
Automatic document feeder capacity	Standard, 200 sheets
Best technical electricity consumption (TEC)	1.42 kWh/Week[2]
Best technical electricity consumption (TEC) footnote	Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.
Bit depth	24-bit
Blue Angel (sleep mode)	1.6 watts
Bottom margin (A4)	4.23mm (Default), 2mm Edge-to-Edge mode
Business filter	cMPS
Cable included	No, please purchase USB cable separately
Camera phone supported	No
Capacity	320 GB
Cartons per layer	1

Color copy capability	Yes
Color scanning	Yes
Color(s) of printing supplies	Black, cyan, magenta, yellow
Compatible Network Operating Systems	Windows 11; Windows Server; Linux; Citrix; Novell
Component type	Printer
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket
Copier settings	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage
Copies, maximum	Up to 9999 copies
Copy Speed Black (maximum, A4)	Up to 55 cpm
Copy Speed Color (maximum, A4)	Up to 55 cpm
Copy reduce / enlarge settings	25 to 400%
Copy resolution (black graphics)	Up to 600 x 600 dpi
Copy resolution (black text)	Up to 600 x 600 dpi
Copy resolution (color text and graphics)	Up to 600 x 600 dpi
Copy speed black (ISO)	Up to 55 cpm
Copy speed black (draft, letter)	Up to 55 cpm
Copy speed color (ISO)	Up to 55 cpm
Copy speed color (draft, letter)	Up to 55 cpm
Copy speed note	First Copy Out and Copy Speed measured using ISO/IEC 29183, 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.
Count of layers in pallet	1
Country of origin	Product of Mexico (NA and LAR product), Product of Malaysia (APJ product), Product of Netherlands (EMEA product)
Datasheet photo 1	Publication photos/J7Z12A.jpg
Datasheet publication number	c05588879
Dimensions with trays up (W x D x H)	604 x 652 x 1222 mm
Distinctive ring detection supported	No
Duplex ADF scanning	Yes, single-pass duplexing ADF
Dynamic security	Dynamic security enabled printer

Eco label	ENERGY STAR® certified; Blue Angel; EPEAT (Silver)
Electromagnetic compatibility	EN 301 489-1 v2.1.1, EN 301 489-17 v3.1.1
Engine life	1200000
Enhanced scanning resolution	Up to 600 ppi
Envelope Feeder	No
Exifprint supported	No
Fax Auto Redial	Yes
Fax Broadcast Locations	210
Fax Modem Speed	Internal
Fax PC Interface Supported	Yes
Fax Polling	Yes (poll to receive only)
Fax Remote Retrieval	No
Fax Speed Dials, Maximum Number	Up to 1000 numbers (each with 210 destinations)
Fax Transmission Speed	33.6 kbps
Fax delayed sending	No
Fax forwarding	Yes
Fax memory	Up to 500 pages
Fax memory	Up to 500 pages
Fax phone TAM interface supported	No
Fax resolution black	204 x 196 dpi
Fax resolution color (fine)	Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Fax telephone mode supported	No
Fax transmission speed (letter)	3 sec per page[3]
Faxing options (ADF)	Simultaneous Two-Sided
File Format Supported	Digital Send: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
Finished output handling	Inline Finisher (standard)
First copy out black (letter)	As fast as 9.4 sec
First copy out color (letter)	As fast as 9.4 sec
First page out black (A4, ready)	As fast as 7.0 sec
First page out black (A4, sleep)	As fast as 17.5 sec
First page out black (letter, ready)	As fast as 7.0 sec
First page out black (letter, sleep)	As fast as 17.5 sec
First page out color (A4, ready)	As fast as 7.0 sec
First page out color (A4, sleep)	As fast as 17.5 sec

First page out color (letter, ready)	As fast as 7.0 sec
First page out color (letter, sleep)	As fast as 17.5 sec
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
Geographic availability	EMEA; NA; LA; APJ
HP Real Life technologies™	No
Image scaling or enlargement range	25 to 400% in 1% increments (flatbed)
Ink types	Pigment-based (black and color)
Input capacity	Up to 2300 sheets (MP: up to 100 sheets, Tray 2: up to 550 sheets, 3x550: up to 1650 sheets)
Internal Storage	500 GB High-Performance Secure Hard Disk (AES 256 hardware encryption or greater; Secure erase capabilities: Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk)
Junk fax barrier	Yes
Left margin (A4)	4.23mm (Default), 2mm Edge-to-Edge mode
Levels of grayscale	256
Mac compatible	Yes
Maximum Input Capacity (envelopes)	Up to 10 envelopes, MP Tray only
Maximum Memory	5632 MB
Maximum dimensions (W x D x H)	60.2 x 40.4 x 60.4 in (with all doors and trays open, and document feeder lifted)
Maximum dimensions (W x D x H)	1530 x 1027 x 1535 mm (with all doors and trays open, and document feeder lifted)
Maximum input capacity (10x15cm photos)	Up to 40 sheets
Maximum input capacity (4x6 photo)	Up to 60 sheets (180g), MP Tray
Maximum input capacity (cards)	Up to 1840 cards for A5 size and larger; Up to 40 for smaller than A5 size
Maximum input capacity (labels)	Up to 1700 sheets with 3x550 input device attached.
Maximum input capacity (photo paper)	Up to 60 sheets (180g), MP Tray
Maximum input capacity (sheets)	Up to 4650 Sheets
Maximum metric depth	1027
Maximum metric height	1535
Maximum metric width	1530
Maximum output capacity (cards)	Up to 200 to standard output bin; Up to 125 to in-line finisher

Maximum output capacity (envelopes)	Up to 50 envelopes
Maximum output capacity (labels)	Up to 200 labels
Maximum output capacity (photo paper)	Up to 200 to standard output bin; Up to 125 to in-line finisher
Maximum output capacity (sheets)	Up to 850 sheets, 75 g/m²
Media size (ADF)	A3, Ledger, B4-JIS, Legal, 8.5 x 13, Letter, A4, B5-JIS, A5, B6-JIS, A6
Media size, tray 2	1x550/stand & 3x550/stand: A3; A4; A4-R; A5; A5-R; A6; RA3; RA4; SRA4; B4; B5 (JIS); 8K (270x390mm); 16K (195x270mm); 8k (260x368mm); 16k (184x260mm); 8k (273x394mm); 16k (197x273mm); Oficio 216x340mm; 12inx18in
Media size, tray 3	1x550/stand & 3x550/stand: A3; A4; A4-R; A5; A5-R; A6; RA3; RA4; SRA4; B4; B5 (JIS); 8K (270x390mm); 16K (195x270mm); 8k (260x368mm); 16k (184x260mm); 8k (273x394mm); 16k (197x273mm); Oficio 216x340mm; 12inx18in HCI: LTR,; A4
Media sizes supported	Tray 1: RA3, A3, 8K, B4 (JIS), SRA4, RA4, A4, A4-R, 16K, 16K-R, A5, A5-R, B5 (JIS), B5 (JIS)-R, B6 (JIS), A6, Japanese Postcard, Double Japanese Postcard-R; Trays 2-5: A3, 8K, B4 (JIS), SRA4, RA4, A4, A4-R, 16K, 16K-R, A5, A5-R, B5 (JIS), B5 (JIS)-R, B6 (JIS), A6, Japanese Postcard, Double Japanese Postcard-R; HCI Trays 3 & 4: A4
Media sizes supported	Tray 1: 12 x 18, 11 x 17, Legal, Oficio, Letter, Letter-R, Executive, Executive-R, 5 x 8, 5 x 7, 4 x 6; Trays 2-5: 11 x 17, Legal, Oficio, Letter, Letter-R, Executive, Executive-R, 5 x 8, 5 x 7, 4 x 6; HCI Trays 3 & 4: Letter
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	Tray 1: 99.1 x 127 to 304.8 x 457.2 mm; Tray 2-5: 210.1 x 148.1 to 304.8 x 457.2 mm; HCI Trays 3 & 4: A4 & Letter Only
Media sizes, custom	Tray 1: 3.9 x 5.83 to 12 x 18 in; Tray 2-5: 8.27 x 5.83 to 12 x 18 in; HCI Trays 3 & 4: A4 & Letter Only
Media type and capacity, ADF	Sheets: 200 @ 75 g/m²
Media type and capacity, tray 3	Up to 1,650 sheets in 3 x 550; Up to 2 x 2,000 sheets in HCI
Media types	Plain paper, HP EcoFFICIENT, HP Premium Presentation Matte 120g, HP Brochure Matte 180g, HP Brochure Glossy, HP Advanced Photo Papers, Light 60-74g, Intermediate 85-95g, Mid-Weight 96-110g, Heavy 111-130g, Extra Heavy 131-175g, Cardstock 176-220g, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored, Bond, Recycled, Rough
Media weight, recommended	60 to 220 g/m², 300 g/m² Photo Paper Only
Media weight, recommended	16 to 58 lb, 80 lb Photo Paper Only
Media weight, supported	Tray 1: 60 to 220 g/m², 300 g/m² Photo Paper Only; Trays 2 to 5: 60 to 220 g/m²; HCI trays 3 & 4: 60 to 220 g/m²
Media weight, supported	Tray 1: 16 to 58 lb, 80 lb Photo Paper Only; Trays 2 to 5: 16 to 58 lb; HCI Trays 3 & 4: 16 to 58 lb
Media weights, supported ADF	45 to 199 g/m²
Memory	5632 MB

Memory Slots	1 slot, 144-pin DDR3 DIMM
Memory card compatibility	144-pin DDR3 DIMM; HP Part Number E5K48A only
Metric depth	652
Metric height	1222
Metric width	604
Minimum System Requirements	2 GB available hard disk space, OS hardware requirements see microsoft.com
Minimum System Requirements for Macintosh	1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
Multitasking supported	Yes
Non-Operating Humidity Range	10 to 80% RH
Number of print cartridges	4 (1 each black, cyan, magenta, yellow)
Number of users	10-30 Users
Operating altitude	Up to 10,000 ft
Operating altitude	Up to 3048 m
Operating humidity range	10 to 80% RH
Operating temperature range	59 to 86ºF
Operating temperature range	15 to 30ºC
Orderable product number	J7Z12A#B1H, J7Z12A#201, J7Z12A#AB0, J7Z12A#AB2, J7Z12A#ABJ, J7Z12A#ACJ, J7Z12A#BGM, J7Z12A#BBU, J7Z12A#ABT, J7Z12A#BAZ, J7Z12A#B19, J7Z12A#B13, J7Z12A#ACQ, J7Z12A#ABY, J7Z12A#AC4, J7Z12A#AC8, J7Z12A#B16
Orderable supplies	HP 982A Black Original PageWide Crtg T0B26A, HP 982A Cyan Original PageWide Crtg T0B23A, HP 982A Magenta Original PageWide Crtg T0B24A, HP 982A Yellow Original PageWide Crtg T0B25A, HP 982X Black Original PageWide Crtg T0B30A, HP 982X Cyan Original PageWide Crtg T0B27A, HP 982X Magenta Original PageWide Crtg T0B28A, HP 982X Yellow Original PageWide Crtg T0B29A, HP PageWide Printhead Wiper Kit W1B43A, HP PageWide Service Fluid Container W1B44A, HP PageWide Roller Kit W1B45A, HP 300 ADF Roller Replacement Kit J8J95A
Output capacity	Up to 850 sheets, 75 g/m²
Package dimensions (W x D x H)	790 x 760 x 1571 mm
Package dimensions (W x D x H)	31.1 x 29.9 x 61.9 in
Package weight	143.4 kg
Package weight	316 lb
Pallet dimensions	31.1 x 29.9 x 61.9 in
Pallet dimensions (W x D x H)	790 x 760 x 1571 mm
Pallet weight	316 lb
Pallet weight	143.4 kg
Paper handling input, optional	N/A, bundled with 3x550 already
Paper handling input, standard	100-sheet multipurpose tray, 4 550-sheet input trays

Paper handling output, standard	500-sheet output bin, 350-sheet stapler stacker
Paper sizes supported (ADF)	Executive (7.25x10.5) Statement (5.5x8.5) Ledger (11x17) 12x18 4x6 5x7 5x8 Oficio 8.5x13/215x330 mm (Foolscap) Oficio 216x340 mm A3 (297x420 mm) A4 (long edge feed) (297x210 mm) A4 Rotated (short edge feed) (210x297 mm) A5 (148x210 mm) A6 (105x148 mm) RA3 (12x16.9) RA4 (8.5x12) SRA4 (8.9x12.6) B4 (JIS) (257x364 mm) B5 (JIS) (182x257 mm) B6 (JIS) (125x176 mm) 10x15cm 8K 270x390 mm 16K 195x270 mm 8K 260x368 mm 16K 184x260 mm 8K 273x394 mm 16K 197x273 mm Postcard(JIS) (100x148 mm) Dpostcard(JIS) (148x200 mm) Envelope #9 (3.9x8.9) Envelope #10 (4.1x9.5) Envelope Monarch (3.9x7.5) Envelope B5 (6.9x9.8) Envelope C5 (6.4x9) Envelope C6 (4.5x6.4) Envelope DL (4.3x8.6) Mixed Letter/Legal Mixed A4/A3 Mixed Letter/Ledger Fixed Width Mixed Media Long Scan Size (8.5x "up to 34") Custom Any Custom
Paper trays, standard	5 trays
Photo proofsheets supported	No
PictBridge supported	No
Power	Input voltage: 100 to 240 VAC, 50/60 Hz. Not dual voltage, power supply varies by part number with # Option code identifier.
Power consumption (active copy)	660 watts
Print Technology	PageWide
Print colors	Yes
Print colors maximum	4
Print heads	1 (black, cyan, magenta, yellow)
Print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation; PDF 1.7
Print speed black (ISO)	Up to 55 ppm
Print speed black (best, A4)	Up to 55 ppm
Print speed black (best, letter)	Up to 55 ppm
Print speed black (draft, A4)	Up to 75 ppm
Print speed black (draft, letter)	Up to 75 ppm
Print speed color (ISO)	Up to 55 ppm
Print speed color (draft, A4)	Up to 75 ppm
Print speed color (draft, letter)	Up to 75 ppm
Print speed duplex (A4)	Up to 38 ppm
Print speed duplex (A4)	Up to 38 ppm
Print speed duplex (draft, A4)	Up to 52 ppm
Print speed duplex (draft, A4)	Up to 52 ppm
Print speed duplex (draft, letter)	Up to 52 ppm
Print speed duplex (draft, letter)	Up to 52 ppm
Print speed duplex (letter)	Up to 38 ppm
Print speed duplex (letter)	Up to 38 ppm
Print technology	HP PageWide Technology

Printer Management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver
Printer black pages (MPV black)	2100
Printer color pages (MPV color)	1400
Printer drivers included	On Web: Windows PCL 6 Discrete, Mac PS, HP Universal Print Drivers (PCL6, PCL5 & PS for Windows), HP ePrint Software (for Windows), Linux/Unix Print Drivers, SAP: PCL 5 and PS Print Drivers, From other sites: mobile apps
Processor speed	1.2 GHz
Product logos	ENERGY STAR® certified; Blue Angel; EPEAT (Silver)
Product long name specifications	HP PageWide Enterprise Color Flow MFP 785zs - Print: Up to 55 ppm black and color in Professional mode and up to 75 ppm black and color in General Office mode
Quantity per pallet	1
RMN number	BOISB-1606-04
Recommended Macintosh system requirements	1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
Recommended media weight (duplex)	60 to 220 g/m²; Up to 300 g/m² Photo Paper Only
Recommended media weight (duplex)	16 to 58 lb; Up to 80 lb Photo Paper Only
Recommended monthly page volume	2500 to 25,000
Recommended monthly scan volume	2000 to 75,000
Recommended monthly scan volume note	HP recommends that the number of scanned pages per month be within the stated range for optimum device performance
Recommended operating humidity range	30 to 70% RH
Recommended operating temperature range	63 to 77ºF
Recommended operating temperature range	17 to 25ºC
Resolution (black and white, standard mode)	204 x 98 dpi
Resolution (black photo grayscale)	Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Right margin (A4)	4.23mm (Default), 2mm Edge-to-Edge mode
Safety	EN 60950-1:2006 + A11:2009 +A1:2010 +A12:2011 +A2:2013; IEC 60950-1:2005 +A1:2009 +A2:2013; EN 62471:2008 / IEC 62471:2010; EN 62479:2010 / IEC 62479:2010; China CCC, GS, UL Listed
Scan resolution, hardware	Up to 600 ppi
Scan resolution, optical	Up to 600 ppi

Scan size (ADF), maximum	11.7 x 17 in; Up to 11.7 x 34 in when "long scan size" selected
Scan size (ADF), maximum	297 x 432 mm; Up to 297 x 864 mm when "long scan size" selected
Scan size (ADF), minimum	2.7 x 5.8 in
Scan size (ADF), minimum	68 x 148 mm
Scan size, maximum	297 x 432 mm
Scan size, maximum	11.7 x 17 in
Scan size, minimum	No Minimum
Scan speed duplex (normal, A4)	Up to 120 ppm (b&w), up to 120 ppm (color)
Scan speed duplex (normal, letter)	Up to 120 ppm (b&w), up to 120 ppm (color)
Security management	Identity Management: Kerberos authentication, LDAP authentication, 1000 user PIN codes, optional HP and third-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, HP Trusted Platform Module (TPM) comes standard; 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,18 Intrusion Detection with Red Balloon Security Technology (Constant in-device monitoring for attacks), HP Sure Start Secure Boot (BIOS integrity checking with self-healing capability), Whitelisting (loads only known good code (DLLs, EXEs, etc.); Security Management: Compatible with HP JetAdvantage Security Manager,21 Device Security Syslog Messages processed and accessible in ArcSight and Splunk SIEMs; For more security settings go to http://h10032.www1.hp.com/ctg/Manual/c03602120
Send to email capability	Yes
Service & support features	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/pwcolor785MFP; Outside the US, go to http://www.hp.com/support 1 Select the country/region 2 Select Software and Drivers 3 Enter a product name/number 4 The operating system is automatically detected 5 Select a driver or other software 6 Then select DOWNLOAD
Service & support options	Free telephone support for basic setup, installation, and troubleshooting in North America, Europe, and Asia Pacific during warranty; Optional HP Care Pack for 4-hour response during standard business hours; Optional HP Care Pack for 24 hours a day, 7 days a week; Optional HP Care Pack for Comprehensive Technical Support
Standard input capacity (cards)	Up to 200 x 4 + 40 for A5 size and larger; Up to 40 for smaller than A5 size
Standard input capacity (legal)	Up to 2300 sheets
Standard media sizes (duplex)	A3; A4; A4-R; A5; A5-R; RA3; RA4; SRA4; B4; B5 (JIS); B6 (JIS); 10x15cm; 8K (270x390mm); 16K (195x270mm); 8k (260x368mm); 16k (184x260mm); 8k (273x394mm); 16k (197x273mm); Postcard (JIS); DPostcard (JIS); Officio 216x340mm
Standard media sizes (duplex, imperial)	Letter; Letter-R; Legal; Executive; Officio (8.5x13); 11x17; 12x18

Standard memory note	Future firmware updates may support 6656 MB by adding DIMM memory module
Standard output capacity (cards)	Up to 200 to standard output bin; Up to 125 to in-line finisher
Standard output capacity (legal)	Up to 850 sheets, 75 g/m²
Storage altitude	4572 m
Storage altitude	15,000 ft
Storage device and direct print support	Front-facing USB printing; Wireless direct printing; Bluetooth printing
Storage temperature range	Before initial setup (Non-Purged): -40 to 140ºF; After initial setup (Purged): 32 to 140ºF. If stored below the lowest specified operating temperature, unit must slowly warm up to an approved operating temperature (HP recommends waiting 24 hours at approved operating temperature prior to using the printer).
Storage temperature range	Before initial setup (Non-Purged): -40 to 60ºC; After initial setup (Purged): 0 to 60ºC. If stored below the lowest specified operating temperature, unit must slowly warm up to an approved operating temperature (HP recommends waiting 24 hours at approved operating temperature prior to using the printer).
Sub-brand name	PageWide
SureSupply supported	Yes
System requirements, recommended	2 GB available hard disk space, OS hardware requirements see microsoft.com
Tariff numbers	8443310000
Technology logo, print 1	Publication logos/AMS_EnergyStar.jpg
Technology logo, print 2	Publication logos/AMS_Epeat silver.jpg
Technology logo, print 3	Publication logos/AMS_ windows_10.jpg
Technology logo, print 4	Publication logos/AMS_mac_hires.jpg
Technology logo, print 5	Publication logos/HPSmartApp_AMS.jpg
Telecom compliance (fax capability)	EN 300 328 V1.9.1; EN 300 330-2 V1.6.1; EN 301 893 V1.8.1
Telephone handset supported	No
Top margin (A4)	4.23mm (Default), 2mm Edge-to-Edge mode
Transparency adapter	No
Transparent materials adapter (supported)	No
Tray capacity	650
Twain version	Version 2.1
Typical electricity consumption (TEC) footnote	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 value typically based on measurement of 115V device.
Typical electricity consumption (TEC) number	1.93 kWh/Week (Blue Angel); 0.690 kWh/Week (Energy Star 3.0)[1,7]

UNSPSC code	43212104
UPC number	(201) 190781864035; (AB0) 190781778455; (AB2) 190781778462; (ABJ) 190781778479; (ABT) 190781778516; (ABY) 190781778561; (ACJ) 190781778486; (ACQ) 190781778554; (B13) 190781778547; (B19) 190781778530; (B1H) 190781778578; (BAZ) 190781778523; (BBU) 190781778509; (BGM) 190781778493
Video action printing supported	No
Waste electrical and electronic weight	122 kg

[1] 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 and Energy Star TEC values typically based on measurement of 115V device.

[2] Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

[3] Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17

[7] Normalized TEC (watt hours per page) BA: 0.257 Wh/page, ES: 0.269 Wh/page

Services

HP Care Pack Services

★ : Recommended

Imaging and Printing Hardware Support Onsite Svc

HP 3 year Next Business Day Service w/Defective Media Retention for PageWide Enterprise Color 78x	**U9RJ6E ★**
HP 3 year 4 hour 9x5 Service w/Defective Media Retention for PageWide Enterprise Color 78x	**U9RJ9E ★**
HP 1 year Post Warranty NBD Service w/Defective Media Retention for PageWide Enterprise Color 78x	U9RK5PE
HP 1 year Post Wty 4 hour 9x5 Service w/Defective Media Retention for PageWide Enterprise Color 78x	U9RK7PE
HP 1 year PrintAtYourService Next Business Day withDMR MKRS Renewal SVCfor PageWide Pro 779/780 MFP	UB4P8PE
HP 2 year Post Warranty NBD Service w/Defective Media Retention for PageWide Enterprise Color 78x	U9RK6PE
HP 2 year Post Wty 4 hour 9x5 Service w/Defective Media Retention for PageWide Enterprise Color 78x	U9RK8PE
HP 4 year 4 hour 9x5 Service w/Defective Media Retention for PageWide Enterprise Color 78x	U9RK0E
HP 4 year Next Business Day Service w/Defective Media Retention for PageWide Enterprise Color 78x	U9RJ7E
HP 5 year 4 hour 9x5 Service w/Defective Media Retention for PageWide Enterprise Color 78x	U9RK1E
HP 5 year Next Business Day Service w/Defective Media Retention for PageWide Enterprise Color 78x	U9RJ8E

Imaging and Printing Commercial Care Pack Services

HP Installation Service with network configuration for Department Printer (1 unit)	**U9JT3E ★**
HP 1 year Print At Your Service Supplies Renewal up to 15000 pages per month PageWide Service	UC6U7PE
HP 1 year Print At Your Service Supplies Renewal up to 20000 pages per month PageWide Service	UC6U9PE
HP 1 year Print At Your Service Supplies Renewal up to 3500 pages per month PageWide Service	UC6U1PE
HP 1 year Print At Your Service Supplies Renewal up to 7500 pages per month PageWide Service	UC6U4PE
HP 1 yr Post Warranty Part Exchange Service for PageWide Enterprise Color 78x (Channel Only)	U9RK9PE
HP 1y Print At Your Service Supplies Renewal up to 10k pages/mth for PageWide A3	U9RS4PE

HP 1y Renewal Subscription Supply Svc for PageWide (up to 1000 pages per month)	U9PW4PE
HP 1y Renewal Subscription Supply Svc for PageWide (up to 2000 pages per month)	U9PW7PE
HP 1y Renewal Subscription Supply Svc for PageWide (up to 5000 pages per month)	U9PX0PE
HP 2 yr Post Warranty Part Exchange Service for PageWide Enterprise Color 78x (Channel Only)	U9RL0PE
HP 3 year Part Exchange Service for PageWide Enterprise Color 78x (Channel Only)	U9RK2E
HP 4 year Part Exchange Service for PageWide Enterprise Color 78x (Channel Only)	U9RK3E
HP 5 year Part Exchange Service for PageWide Enterprise Color 78x (Channel Only)	U9RK4E
HP Full Kit plus Heated Pressure Roller 110 Volt Maintenance Kit Repair Service for PageWide	UB8L7E
HP Full Kit plus Heated Pressure Roller 220 Volt Maintenance Kit Repair Service for PageWide	UB8L8E
HP MKRS PgWD 78x E77xxx ADF Roller SVC	U9TV4E
HP PrintHead Wiper Maintenance Kit Replacement Service for PageWide 75x 76x 77x 78x	U9QW2E
HP Service Fluid Maintenance Kit Replacement Service for PageWide 75x 76x 77x 78x	U9QW3E
HP Tray Roller Maintenance Kit Replacement Service for PageWide 75x 76x 77x 78x	U9QW4E

Ink/Toner/Paper/Printer Supplies

HP Laser Toner Cartridges and Kits

★ : Recommended

HP Laser Printer Supply Kits

HP 300 ADF Roller Replacement Kit	J8J95A ★
HP 300 ADF Roller Replacement Kit	J8J95A

HP PageWide Supplies

HP PageWide Supplies

HP 982X High Yield Black Original PageWide Cartridge	T0B30A ★
HP 982X High Yield Cyan Original PageWide Cartridge	T0B27A ★
HP 982X High Yield Magenta Original PageWide Cartridge	T0B28A ★
HP 982X High Yield Yellow Original PageWide Cartridge	T0B29A ★
HP 982A Black Original PageWide Cartridge	T0B26A ★
HP 982A Cyan Original PageWide Cartridge	T0B23A ★
HP 982A Magenta Original PageWide Cartridge	T0B24A ★
HP 982A Yellow Original PageWide Cartridge	T0B25A ★
HP 990A Black Original PageWide Cartridge	M0J85AN ★
HP 990A Cyan Original PageWide Cartridge	M0J73AN ★
HP 990A Magenta Original PageWide Cartridge	M0J77AN ★
HP 990A Yellow Original PageWide Cartridge	M0J81AN ★
HP 990X High Yield Black Original PageWide Cartridge	M0K01AN ★
HP 990X High Yield Cyan Original PageWide Cartridge	M0J89AN ★
HP 990X High Yield Magenta Original PageWide Cartridge	M0J93AN ★
HP 990X High Yield Yellow Original PageWide Cartridge	M0J97AN ★

HP Paper for Multiple Uses

HP Multi-use Professional Paper

HP Professional Business Paper, Glossy, 48 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	Q1987A
HP Professional Tri-Fold Business Paper, Glossy, 48 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	4WN12A

Accessories

Printer Supply Accessories

★ : Recommended

Ink Supply Accessories

HP PageWide Printhead Wiper Kit	**W1B43A ★**
HP PageWide Roller Kit	**W1B45A ★**
HP PageWide Service Fluid Container	**W1B44A ★**
HP PageWide Printhead Wiper Kit	W1B43A
HP PageWide Roller Kit	W1B45A
HP PageWide Service Fluid Container	W1B44A

Security and Protection

Smart Cards and SmartCard Readers

HP HIP2 Keystroke Reader	**Y7C05A ★**
HP USB Universal Card Reader	**X3D03A ★**

Network Print Servers

External Print Servers

HP Jetdirect 3000w NFC/Wireless Accessory	**J8030A ★**

Paper Handling

Staple Cartridges

HP Staple Cartridge Refill	**J8J96A ★**

Input Trays

HP PageWide 3x550 sheet Paper Tray/Stand	9UW02A
HP PageWide 4K Sheet HC Paper Tray/Stand	9UW03A
HP PageWide 550 sheet Paper Tray/Stand	9UW01A
HP PageWide 550-sheet Paper Tray	A7W99A

Memory

DDR3 Memory

HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM	E5K48A

Accessory Bundles

Printer Accessibility Accessories

HP Accessibility Kit	2TD64A
HP Printing Voice Assistant	478C2A

Data Security Accessories

HP Removable Hard Drive Enclosure	2NR12A

Cables/Cable Kits/Cable Adapters

Printer Cables

HP Foreign Interface Harness	B5L31A

Port Cables and Cable Adapters

HP Internal USB Ports	B5L28A

Solutions

Imaging and Printing Solutions

★ : Recommended

Printing SW Solution Licenses

HP HID Mobile Access Mifare DES Fire Keystroking Reader	**35H11A** ★

HP Document and Workflow Solutions

JetAdvantage Printing Security

Celiveo Enterprise	HP3PCELIVEO
HP Access Control Secure Printing and Job Accounting Solution	HPACSOLUTION
HP Proximity Card Reader	HPPROXIMTYRDR
HP Secure Print and Insights	HPJETADSECUREPRINT
HP Security Manager	HPJETADSECMGR
Kofax SafeCom Security and Job Accounting Solution	HPNSAFECOMSOL
Pharos Blueprint	HP3PHAROSBPRNT

JetAdvantage Printer Workflow

HP Capture and Route	HPCAPTANDROUTE
HP Workpath Apps	HPJA_AP

JetAdvantage Print Management

HP Universal Print Driver	HPUNIVPRNTDRV
HP Web Jetadmin	HPWEBJETADMIN
Kofax ControlSuite	HP_CSUITE
LRS VPSX for Output Management	HP3PLRS

JetAdvantage Mobile Printing

ePRINTit	HP3PEPRINTIT

Print Security Solutions

Print Security

Print Security	HPPRNTSECURE

Disclaimer — Copyright

Generated by Dynamic Collateral Tool – (us-en) – Nov 11, 2022 11:55 PM UTC+0000