HP PageWide Enterprise Color MFP 780dns

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]

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. http://www.hp.com/go/learnaboutsupplies

Professional mode speed: Up to 45 ppm black; Up to 45 ppm color
Scan resolution: Hardware: Up to 600 ppi; Optical: Up to 600 ppi
Copy resolution: Black (text and graphics): Up to 600 x 600 dpi; Up to 600 x 600 dpi; Color (text and graphics): Up to 600 x 600 dpi
Standard connectivity: 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
Paper handling: 100-sheet multipurpose tray, 550-sheet input tray; 500-sheet output bin, 350-sheet stapler stacker
Duty cycle (monthly): Up to 100,000 pages

The lowest cost for color[1]

- Get the quality you expect with HP PageWide Technology that delivers the lowest cost per color page.[1]
- Print more pages and replace cartridges less often with optional high-yield cartridges.[3]
- Print even faster—and save even more per page—by setting this printer to General Office mode.[4]
- Help keep energy costs down with the most efficient MFP in its class.[5]

Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide device designed for the least maintenance in its class.[6]
- Print speeds up to 50% faster than competitors—as fast as 65 ppm in color and black-and-white.[7]
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.[8]

The world's most secure printing[2]

- Each printer in your fleet checks its operating code and repairs itself from attacks.
- Your printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.
- Memory activity is monitored to continually detect and stop attacks.
- Firmware is automatically checked during startup to determine if it's authentic code—digitally signed by HP.

ENERGY STAR

epeat SILVER

Compatible with Windows® 10

Mac

AirPrint

2-sided printing

[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 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 leading in-class color ink/laser MFPs ($3,000-$11,299 and €2,820-€11,199), and color ink/laser single function printers ($1,500-$4,799 and €1,410-€4,599) as of February 2018; market share as reported by IDC as of Q3 2017, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at http://www.hp.com/go/printerspeeds [8] Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see http://www.hpconnected.com

HP PageWide Enterprise Color MFP 780dns Specifications Table

Functions / Multitasking Supported	Print, copy, scan, fax (optional) / Yes
Print Speed	**Letter**: Up to 45 ppm black; Up to 45 ppm color[5] **First Page Out**: As fast as 7.0 sec black; As fast as 7.0 sec color[6]
Duplex Print Speed	**Letter**: Up to 31 ppm
Print Resolution	**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); **Color (best)**: Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
Print Technology	HP PageWide Technology
Print Resolution Technologies	HP PageWide Technology up to 1200 x 1200 optimized dpi from 600 x 600 input dpi
Print Cartridges Number	4 (1 each black, cyan, magenta, yellow)
Standard Print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation; PDF 1.7
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
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
Scan Type / Technology	Flatbed, ADF / Charge Coupled Device (CCD) & Contact Image Sensor (CIS)
Scan Resolution	**Hardware**: Up to 600 ppi; **Optical**: Up to 600 ppi
Scan File Format	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A
Scan Input Modes	Front panel applications: Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
Scan Size	**ADF**: 11.7 x 17 in; Up to 11.7 x 39 in when "long scan size" selected Maximum; 2.7 x 5.8 in Minimum; **Flatbed**: 297 x 432 mm
Scan Speed	Up to 90 ppm (b&w), up to 90 ppm (color)[7] **Duplex**: Up to 90 ppm (b&w), up to 90 ppm (color)
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
Bit depth / Grayscale levels	24-bit / 256
Digital Sending Standard Features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF
Copy Speed	Up to 45 cpm
Copy Resolution	**Black (text and graphics)**: Up to 600 x 600 dpi; Up to 600 x 600 dpi; **Color (text and graphics)**: Up to 600 x 600 dpi
Maximum Number Of Copies	Up to 9999 copies
Copier Resize	25 to 400%
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
Fax Speed	**Up to**: 33.6 kbps; **Letter**: 3 sec per page[4]
Fax Resolution	**Black (best)**: Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); **Color (best)**: Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); **Black (standard)**: 204 x 98 dpi
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
Fax Features	**Fax Memory**: Up to 500 pages; **Auto Fax Reduction Supported**: Yes; **Auto-Redialing**: Yes; **Fax Delayed Sending**: No; **Distinctive Ring Detection Supported**: No; **Fax Forwarding Supported**: Yes; **Fax Phone TAM Interface Supported**: No; **Fax Polling Supported**: Yes (poll to receive only); **Fax Telephone Mode Supported**: Yes; **Junk Barrier Supported**: Yes; **Maximum Speed Dialing Numbers**: Up to 1000 numbers (each with 210 destinations); **PC Interface Supported**: Yes; **Remote Retrieval Capability Supported**: No; **Telephone Handset Supported**: No
Standard Connectivity	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
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	Optional, enabled with purchase of a hardware accessory
Mobile Printing Capability	HP ePrint, Apple AirPrint™, Google Cloud Print
Memory	**Standard**: 3584 MB; **Maximum**: 3584 MB
Processor Speed	1.2 GHz / **Hard disk**: 320 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)
Duty Cycle	**Monthly, letter**: Up to 100,000 pages
Recommended Monthly Page Volume	2500 to 20,000
Media Types Supported	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 Supported	Tray 1: 16 to 58 lb, 80 lb Photo Paper Only; Trays 2-5: 16 to 58 lb; HCI Trays 3 & 4: 16 to 58 lb

Media Sizes Supported	Tray 1: 12 x 18, 11 x 17, Legal, Oficio, Letter, Letter-R, E x ecutive, E x ecutive-R, 5 x 8, 5 x 7, 4 x 6; Trays 2-5: 11 x 17, Legal, Oficio, Letter, Letter-R, E x ecutive, E x ecutive-R, 5 x 8, 5 x 7, 4 x 6; HCI Trays 3 & 4: Letter
Media Sizes Custom	Tray 1: 3.9 x 5.83 to 12 x 18 in; Tray 2-5: 8.27 x 5.83 to 11.70 x 17 in; HCI Trays 3 & 4: A4 & Letter Only
Paper Handling	100-sheet multipurpose tray, 550-sheet input tray; 500-sheet output bin, 350-sheet stapler stacker; **Duplex Options**: Automatic (standard); Manual (driver support provided); **Auto Document Feeder Capacity**: Standard, 200 sheets; **Envelope Feeder**: No; **Standard Paper Trays**: 2 trays; **Input Capacities**: Up to 650 sheets (MP: up to 100 sheets, Tray 2: up to 550 sheets); **Output Capacities**: Up to 850 sheets; Up to 50 envelopes
What's in the box	**J7Z10A** HP PageWide Enterprise Color Flow MFP 780dns; HP Setup Ink Cartridges (yield after setup ~8000 pages CMY and 10000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
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[3]
Product Dimensions	**W x D x H**: 32 x 24.25 x 31.125 in; **Maximum**: 35.25 x 28.25 x 31.125 in
Product Weight	181 lb
Warranty Features	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)
Energy Efficiency Compliance	ENERGY STAR® qualified; EPEAT® Gold (U.S.); EPEAT® Silver
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
Display Description	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)
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
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
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Compatible Network Operating Systems	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit], Citrix XenApp 6.0/6.5/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit], Citrix XenApp 7.5 [for Windows Server 2012 and 2012 R2 Terminal Services, 32- and 64-bit], Citrix XenDesktop 5.6 [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit], Citrix XenDesktop 5.6/7.0/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit], Citrix XenDesktop 7.0/7.5 [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit], Novell NetWare 6.5/SP8 Novell Clients www.novell.com/iprint, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/iprint), Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
Minimum System Requirements	**PC**: 2 GB available hard disk space, OS hardware requirements see http://www.microsoft.com; **MAC**: 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
Power	**Power Supply Type**: Internal (Built-in) power supply; **Power Requirements**: Input voltage: 100 to 240 VAC, 50/60 Hz; **Power Consumption**: 650 watts (max. print/copy), 110 watts (print/copy), 28 watts (ready), 1.37 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off)[1]
Acoustics	**Acoustic Power Emissions**: 6.7 B(A)
Operating Environment	**Operating Temperature Range**: 59 to 86°C; **Recommended Operating Temperature**: 63 to 77°C; **Storage Temperature Range**: Before initial setup (Non-Purged): -40 to 140°F; After initial setup (Purged): 32 to 140°F. If stored below the lowest specified operating temperature, unit must slowly warm up to an approved operating temperature (HP reco mmends waiting 24 hours at approved operating temperature prior to using the printer).; **Non-Operating Humidity Range**: 10 to 80% RH; **Operating Humidity Range**: 10 to 80% RH; **Recommended Humidity Operating Range**: 30 to 70% RH
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
Accessories	HP PageWide 550-sheet Paper Tray A7W99A, HP PageWide 550-sheet Paper Tray and Stand W1B50A, HP PageWide 3x550-sheet Paper Tray and Stand W1B51A, HP PageWide 4000-sheet HCI Paper Tray and Stand W1B52A,HP Internal USB Ports B5L28A, HP Foreign Interface Harness B5L31A, HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM E5K48A, HP Jetdirect 2900nw Print Server J8031A, HP Jetdirect 3000w NFC/Wireless Accessory J8030A, HP LaserJet MFP Analog Fax Accessory 500 CC487A, HP Staple Refill Cartridge J8J96A, HP Accessibility Assistant 2MU47A
HP Service and Support Options	U9RJ6E - HP 3 year Next Business Day with Disk Media Retention Service; U9RJ7E - HP 4 year Next Business Day with Disk Media Retention Service; U9RJ8E - HP 5 year Next Business Day with Disk Media Retention Service

Learn more at

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