



# 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,<sup>1</sup> maximum uptime, and the industry's strongest security.<sup>2</sup>



## The lowest cost for color<sup>1</sup>

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

## Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide device designed for the least maintenance in its class.<sup>6</sup>
- Print speeds up to 50% faster than competitors—as fast as 65 ppm in color and black-and-white.<sup>7</sup>
- 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.<sup>8</sup>

## The world's most secure printing<sup>2</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Protect information on the printer and in transit over the network and store data on a encrypted hard disk.<sup>9</sup>
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



HP Smart App

<sup>1</sup> 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](http://hp.com/go/learnaboutsupplies) and <http://www.hp.com/go/PageWideClaims> <sup>2</sup> Based on HP review of 2016 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 [hp.com/go/PrintersThatProtect](http://hp.com/go/PrintersThatProtect). For more information: <http://www.hp.com/go/printersecurityclaims> <sup>3</sup> 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> <sup>4</sup> Comparison based on printing in Professional Mode. <sup>5</sup> Energy claim based on TEC data reported on [energystar.gov](http://energystar.gov) as of March 2017. Data normalized to determine energy efficiency of in-class A3 color laser printers (\$1500-\$2999) and MFPs (\$3000-\$7499) as of February 2017, excluding other HP PageWide products. Subject to device settings. Actual results may vary. <sup>6</sup> Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; 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> <sup>7</sup> Comparison of HP PageWide A3 devices with the majority of in-class color ink/laser MFPs (\$3000-\$7499 and €2820-€7049), and color ink/laser single function printers (\$1500-\$2999 and €1410-€2819) as of April 2017; market share as reported by IDC as of Q4 2016, 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> <sup>8</sup> 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> <sup>9</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity>

# HP PageWide Enterprise Color MFP 780dns Specifications Table

<b>Functions / Multitasking supported</b>	Print, copy, scan, fax (optional) / Yes
<b>Print Speed<sup>5</sup> 6</b>	<b>Black (ISO):</b> Up to 45 ppm; <b>Color (ISO):</b> Up to 45 ppm; <b>First Page Out Black:</b> As fast as 7.1 sec; <b>First Page Out Color:</b> As fast as 7.1 sec; <b>Black (Draft):</b> Up to 65 ppm; <b>Color (Draft):</b> Up to 65 ppm
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); <b>Color (best):</b> Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
<b>Print Technology</b>	HP PageWide Technology
<b>Printer Drivers included</b>	On Web: Windows PCL 6 Discrete, Mac PS, HP Universal Print Drivers (PCL6, PCL5 & PS for Windows), HP ePrint Software (for Windows), Linux/Unix Printer Drivers, SAP: PCL 5 and PS Print Drivers, From other sites: mobile apps
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard Print languages</b>	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation; PDF 1.7
<b>Printer Smart Software Features</b>	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
<b>Printer Management</b>	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP W/S Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver
<b>Scan Type / Technology</b>	Flatbed, ADF / Charge Coupled Device (CCD) & Contact Image Sensor (CIS)
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 ppi; <b>Optical:</b> Up to 600 ppi
<b>Scan File Format</b>	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Size</b>	<b>ADF:</b> 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 <b>Flatbed:</b> 297 x 432 mm
<b>Scan Speed<sup>7</sup></b>	Up to 90 ipm simplex and up to 180 ipm duplex
<b>Scanner Advanced Features</b>	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
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	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
<b>Copy SpeedUp to 45 cpm</b>	<b>Black (ISO):</b> Up to 45 cpm; <b>Color (ISO):</b> Up to 45 cpm; <b>Black (Draft):</b> Up to 45 cpm; <b>Color (Draft):</b> Up to 45 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 9999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	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
<b>Fax Speed<sup>4</sup></b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Color (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 204 x 98 dpi
<b>Fax Smart Software Features</b>	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	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
<b>Network Capabilities</b>	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)
<b>Wireless Capability</b>	Optional, enabled with purchase of a hardware accessory
<b>Mobile Printing Capability</b>	HP ePrint, Apple AirPrint™, Google Cloud Print
<b>Memory</b>	<b>Standard:</b> 3584 MB; <b>Maximum:</b> 3584 MB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> 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)
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 100,000 pages
<b>Media Types Supported</b>	Paper (Plain, Inkjet, Inkjet Brochure/Glossy), Photo Paper, Envelopes, Labels, Cards
<b>Media Weight Supported</b>	Tray 1: 16 to 58 lb, 80 lb Photo Paper Only; Trays 2-5: 16 to 58 lb; HCl Trays 3 & 4: 16 to 58 lb

<b>Media Sizes Supported</b>	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; HCl Trays 3 & 4: Letter
<b>Media Sizes Custom</b>	Tray 1: 3.9 x 5 to 12 x 18; Tray 2-5: 8.27 x 5.83 to 11.70 x 17; HCl Trays 3 & 4: A4 & Letter Only
<b>Paper Handling</b>	100-sheet multipurpose tray, 550-sheet input tray; 500-sheet output bin, 350-sheet stapler stacker; <b>Duplex Options:</b> Automatic (standard); Manual (driver support provided); <b>Auto Document Feeder Capacity:</b> 200 sheets, 75 g/m²; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2 trays; <b>Input Capacities:</b> Up to 650 sheets (MP; up to 100 sheets, Tray 2: up to 550 sheets) standard; Up to 10 envelopes; Up to 240 cards; Up to 1840 sheets labels; Up to 650 sheets legal; <b>Output Capacities:</b> Up to 850 sheets standard; Up to 50 envelopes; Up to 200 labels labels
<b>What's in the box</b>	<b>J7Z10A</b> 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
<b>Replacement Cartridges<sup>3</sup></b>	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
<b>Product Dimensions</b>	<b>WxDxH:</b> 32 x 24.25 x 31.125 in; <b>Maximum:</b> 35.25 x 28.25 x 31.125 in
<b>Product Weight</b>	181 lb
<b>Warranty Features</b>	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region. (wty code 4G)
<b>Control Panel</b>	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
<b>Display Description</b>	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)
<b>Software Included</b>	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
<b>Compatible Operating Systems</b>	Go to <a href="http://hp.com/search">hp.com/search</a> for HP PageWide Enterprise Color MFP 780dns for all operating Systems
<b>Compatible Network Operating Systems</b>	Go to <a href="http://hp.com/search">hp.com/search</a> for HP PageWide Enterprise Color MFP 780dns for all operating Systems
<b>Minimum System Requirements</b>	PC: 2 GB available hard disk space, OS hardware requirements see <a href="http://www.microsoft.com">http://www.microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Power Consumption:</b> 660 watts (print/copy), 42 watts (ready), 1.4 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off)
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.7 B(A); <b>Acoustic Pressure Emissions:</b> 53 dB(A) (printing at 46ppm)
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 63 to 77°F; <b>Storage Temperature Range:</b> 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). <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% RH
<b>Security Management</b>	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 <a href="http://h10032.www1.hp.com/ctg/Manual/c03602120">http://h10032.www1.hp.com/ctg/Manual/c03602120</a>
<b>Accessories</b>	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 HCl Paper Tray and Stand W1B52A, HP High-Performance Secure Hard Disk B5L29A, 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 JB9J6A
<b>HP Service and Support Options</b>	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  
[hp.com](http://hp.com)

<sup>1</sup> 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. <sup>2</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <sup>3</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 24711 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>4</sup> 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 <sup>5</sup> ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see <http://www.hp.com/go/printerclaims> <sup>6</sup> Exact speed varies depending on the system configuration, software application, driver and document complexity.

