Data sheet

HP PageWide Managed Color MFP P77940dn

A new era of low-cost colour, high productivity, and strongest security[1]

HP Managed MFPs and printers are optimised for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.

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. Learn more at: http://www.hp.com/go/learnaboutsupplies

A3/11x17 inch media **Color touchscreen** **2-sided printing**

HP PageWide technology color

Affordable colour printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low colour cost per page.
- Print even faster — and save even more per page — by setting this printer to General Office mode.[2]
- Help keep energy costs down with the most efficient MFP in its class.[3]

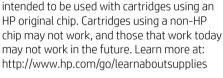### Minimal interruptions. Maximum uptime.

- Minimise interruptions with an HP PageWide MFP designed for less maintenance than laser competitors.[4]
- Print speeds up to 50% faster than competitors — as fast as 60 ppm in colour and black-and-white.[5]
- Print Microsoft® Word and PowerPoint® files with a USB port that quickly recognises, formats, and prints.[6]
- Equip this HP PageWide MFP with a variety of accessories to meet the needs of your office.

Strong security designed to detect and stop attacks

- A suite of embedded security features help protect your printer from being an entry point for attacks.
- Help ensure the security of confidential information. Enter a PIN at the device to retrieve your print job.
- Easily set configuration policies and automatically validate settings for every HP printer in your fleet.[7]
- Thwart potential attacks and take immediate action with instant notification of security issues.

Designed with the environment in mind

- Conserve resources with HP PageWide — designed to use less energy than any laser MFP in its class.[3]
- This MFP meets rigorous standards for ISO class 5 clean rooms — perfect for sensitive environments.
- Help reduce your impact. Count on easy cartridge recycling at no charge through HP Planet Partners.[8]
- Keep noise to a minimum with an MFP designed to be quiet. Place it near people without disrupting work.

Product walkaround

Get to know the HP PageWide Managed Color MFP P77940dn

1. 20.3 cm (8.0 inch) pivoting colour touchscreen
2. Hardware Integration Pocket
3. Easy-access USB port
4. 100 sheet multipurpose tray 1 supports media up to 305 x 457 mm (12 x 18 inches)
5. 550 sheet tray 2 supports media up to 297 x 432 mm (11.7 x 17 inches)
6. 100 sheet ADF with single-pass, two-sided scanning supports media up to 297 x 432 mm (11.7 x 17 inches)
7. Flatbed scanner handles sheets up to 297 x 432 mm (11.7 x 17 inches)
8. 500 sheet output bin
9. Front door access to ink cartridges
10. Automatic two-sided printing
11. Hi-Speed device USB 2.0; 2 Host USB 2.0 (for third party connections); 1 Gigabit Ethernet 10/100/1000; Optional fax

Accessories, Supplies and Support

Accessories	**P1V16A** P PageWide 550-sheet Paper Tray
	P1V17A HP PageWide 550-sheet Paper Tray and Cabinet
	P1V18A HP PageWide 3x550 sheet Paper Tray and Stand
	P1V19A HP PageWide 4000 sheet High-capacity Paper Tray and Stand
	B5L29A HP High-Performance Secure Hard Disk
	B5L28A HP Internal USB Ports
	B5L31A HP Foreign Interface Harness
	E5K48A HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM
	CC487A HP LaserJet MFP Analog Fax Accessory 500
Supplies	**X4D19AC** HP 991AC Black Contract PageWide Cartridge (20,000 pages)
	X4D10AC HP 991AC Cyan Contract PageWide Cartridge (16,000 pages)
	X4D13AC HP 991AC Magenta Contract PageWide Cartridge (16,000 pages)
	X4D16AC HP 991AC Yellow Contract PageWide Cartridge (16,000 pages)
Service and support	**U9VX8E** HP 1 year Next Business Day with Defective Media Retention for PageWide MFP P779xx Managed Services
	U9VX9E HP 3 year Next Business Day with Defective Media Retention for PageWide MFP P779xx Managed Services
	U9VY0E HP 4 year Next Business Day with Defective Media Retention for PageWide MFP P779xx Managed Services
	U9VY1E HP 5 year Next Business Day with Defective Media Retention for PageWide MFP P779xx Managed Services
	U9VY9PE HP 1 year Post Warranty Next Business Day with Defective Media Retention for PageWide MFP P779xx Managed Services
	U9VZ0PE HP 2 year Post Warranty Next Business Day with Defective Media Retention for PageWide MFP P779xx Managed Services

Technical specifications

Model	HP PageWide Managed Color MFP P77940dn
Product number	Y3Z61A
Functions	Print, copy, scan, fax (optional)
Control panel	20.3 cm (8.0 in) Colour Graphics Display (CGD) with IR touchscreen, rotating (adjustable angle) display, illuminated Home button (for quick return to the Home menu), USB High-speed 2.0 port, Hardware Integration Pocket
Print	
Print technology	HP PageWide Technology with pigmented inks
Print speed[1]	**Black (A4, ISO)**: Up to 40 ppm; **Colour (A4, ISO)**: Up to 40 ppm; **Black (A4, duplex)**: Up to 28 ppm; **Colour (A4, duplex)**: Up to 28 ppm; **Black (General Office)**: Up to 60 ppm; **Colour (General Office)**: Up to 60 ppm
First page out[2]	**Black (A4, ready)**: As fast as 8 sec; **Colour (A4, ready)**: As fast as 8.3 sec; **Black (A4, sleep)**: As fast as 10.5 sec; **Colour (A4, sleep)**: As fast as 10.5 sec
Print resolution	**Black (best)**: Up to 1200 x 1200 optimised dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); **Colour (best)**: Up to 2400 x 1200 optimised dpi from 600 x 600 input dpi (on HP Advanced Photo Papers); **Technology**: HP PageWide Technology up to 1200 x 1200 optimised dpi from 600 x 600 input dpi
Monthly duty cycle[3]	Up to 150,000 pages (A4); **Recommended monthly page volume[4]:** 2,500 to 30,000
Printer smart software features	HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web Jetadmin; HP ePrint; Apple AirPrint™; HP Auto-On/Auto-Off technology; HP Colour Access Control; HP EasyColour; Front-facing USB printing; Store print jobs; 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 Greyscale and Black Ink Only; General Office/Professional/Presentation dpi print modes; Optional: wireless
Standard print languages	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation, PJL, JPEG, PCLM
Print area	**Print margins**: Top: 4.23 mm, Bottom: 4.23 mm, Left: 4.23 mm, Right: 4.23 mm
Borderless Printing	No
Print cartridges number	4 (1 each black, cyan, magenta, yellow)
Multitasking supported	Yes
Memory card compatibility	eMMC solid state drive (SSD) for printer operating system and job storage.
Duplex printing	Automatic (standard); Manual (driver support provided)
Copy	
Copy speed[5]	**Black (A4, ISO)**: Up to 40 cpm; **Colour (A4, ISO)**: Up to 40 cpm
Copier specifications	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; **Maximum number of copies**: Up to 9999 copies; **Reduce/Enlarge**: 25 to 400%
Copier smart software features	Auto scale; Reduce/enlarge from scanner glass (25 to 400 percent); Collate; Auto colour detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build
Scan	
Scan speed	**Normal (A4)**: Up to 50 ipm (monochrome and colour); **Duplex (A4)**: Up to 35 ipm (monochrome and colour)
Scanner specifications	**Scanner type**: Flatbed, ADF **Scan technology**: Contact Image Sensor (CIS); **Scan input modes**: Front panel applications: Copy, Scan to E-mail with LDAP e-mail address lookup, Scan to Network Folder, Scan to USB, Scan to Sharepoint. Client applications: EWS, HP Scan App; **Duplex ADF scanning**: Yes; **Scan size maximum (flatbed, ADF)**: 297 x 432 mm; **Optical scan resolution**: Up to 600 ppi
Scanner Advanced Features	Optimise text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect colour; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; Scan and save to destinations: network folder, FTP, Sharepoint, USB flash drive, e-mail; See software section for more details.
Scannable area	**Maximum media size (flatbed)**: 297 x 432 mm; **Minimum media size (ADF)**: 101 x 152 mm; **Maximum media size (ADF)**: 297 x 864 mm
Bit depth/ Grey scale levels	24-bit / 256
Digital sending	**Standard**: Scan-to E-mail with LDAP email address lookup; Scan-to Network Folder; Scan-to USB; Scan-to Sharepoint; Scan to FTP; Send to LAN Fax; Send to Internet Fax; Colour Access Control; Native authorization and authentication; Quick Sets; 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	
Fax	Yes, colour, 33.6 kbps
Fax specifications	**Fax memory[6]**: Up to 500 pages (black and white); **Fax resolution**: Standard: 204 x 98 dpi; Fine: 204 x 196 dpi; **Quick dialing**: Up to 1000 numbers (each with 210 destinations);
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
Processor speed	1.2GHz
Connectivity	
Standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000Base-T network; 1 Hardware Integration Pocket
Wireless	Optional, enabled with purchase of a hardware accessory
Mobile printing capability	HP ePrint, Apple AirPrint™, Google Cloud Print
Supported network protocols	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
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)
Memory	**Standard**: 2816 MB − System Total Standard; 1280 MB on Formatter; 1024 MB on the SCB; 512 MB on the ECB; **Maximum** : 3584 MB − System Total Standard; 2048 MB on Formatter (with 1024 MB DIMM); 1024 MB on the SCB; 512 MB on the ECB

Model	**HP PageWide Managed Color MFP P77940dn**
Product number	Y3Z61A
Paper handling	
Number of paper trays	**Standard**: 2; **Maximum**: Up to 5
Media size	**Supported (metric)**: RA3; A3; 8K: 273 x 394 mm, 270 x 390 mm, 260 x 368 mm; B4 (JIS); Oficio 216 x 340 mm; C4; SRA4; RA4 - R; Arch A-R; A4/3; A4 - R; 16K: 197 x 273 mm - R, 195 x 270 mm - R; Executive - R; A5 - R; 16K: 184 x 260 mm - R; B5 (JIS) - R; Arch A; Statement; RA4; A4; 16K: 197 x 273 mm, 195 x 270 mm, 184 x 260 mm; Executive; B5 (JIS); B6 (JIS); 10 x 15 cm; A5; A6; Custom-sized media; Envelopes; Envelope B5; Envelope #10; Envelope C5; Envelope #9; Envelope DL; Envelope Monarch; Envelope C6; Cards; A6 Index card; Custom-sized media; Photo Media; 10 x 15 cm
Media handling	**Standard input**: 550-sheet Universal Input Tray; 100-sheet multi-purpose tray **Standard output**: 500-sheet face-down output bin **Optional input**: Optional 550 sheet tray; Optional cart with integrated 550 sheet tray; Optional cart with 3 integrated 550 sheet trays; Optional cart with integrated 2,000 sheet trays
Media weight[7]	Tray 1: 60-220 gsm, 300 gsm Photo Paper Only; Trays 2-5: 60-220 gsm; HCI trays 3 & 4: 60-220 gsm
Input capacity	**Standard**: Up to 550 sheets Tandem Tray; Up to 100 sheets - MP Tray **Maximum**: Up to 4,000 + 550 + 100 sheets
Output capacity	**Standard**: Up to 500 sheets Envelopes: Up to 50 envelopes Transparencies: None Labels: Up to 200 sheets Cards: Up to 200 cards **Maximum**: Up to 500 sheets
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 10.11 El Capitan, OS X 10.10 Yosemite, 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 32-bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Minimum system requirements	**Windows**: Windows® 10, 8.1, 8, 7: 1 GHz 32/64-bit processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer. Windows Vista®: 800 MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8. Windows® XP SP3 or higher (32-bit only): any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8; **Mac**: Apple® OS X v10.12 Sierra, OS X v10.11 El Capitan, OS X v10.10 Yosemite, minimum 1.2 GB available hard disk space; Internet required; USB port
Software included	HP Device Experience (DXP), HP PCL 6 Print Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to http://www.123.HP.com or OS App Source for printer software), online user manuals
Security management	Kerberos authentication; LDAP authentication; 2000 user PIN codes; 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, HP Security Management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in ArcSight and Splunk SIEMs; For more security settings for HP JetAdvantage Security Manager go to http://h10032.www1.hp.com/ctg/Manual/c03602120
Printer management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web Jetadmin Software; Printer Administrator Resource Kit for HP Universal Print Driver
Dimensions and Weight	
Printer dimensions (W x D x H)	**Minimum**: 604 x 652 x 664 mm; **Maximum**: 1270 x 1027 x 946 mm
Package dimensions (W x D x H)	790 x 760 x 927 mm
Printer weight[8]	66.63 kg
Package weight	89 kg
Operating environment	**Temperature**: 15 to 30°C; **Humidity**: 30 to 70% RH
Storage	**Temperature**: 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). **Humidity**: 10 to 80% RH
Power[9]	**Requirements**: Input voltage: 100 to 240 VAC, 50/60 Hz; **Consumption:** 475 watts (printing), 32 watts (ready), 1.4 watts (sleep), 0.2 watts (off); **Typical Electricity Consumption (TEC)²**: Energy Star: 1.533 kWh/Week; Blue Angel: 1.548 kWh/Week; **Blue Angel (Sleep mode)**: 1.40 watts; **Power supply type**: Internal (Built-in) power supply
Energy savings feature technology	HP Auto-on/Auto-off Technology
Certifications	CISPR 22:2008 Class A; CISPR 32:2012 Class A; EN 55032:2012 Class A; EN 61000-3-3:2013; EN 61000-3-2:2014 **Blue Angel compliant**: No; Please refer to the ECI document

Model	**HP PageWide Managed Color MFP P77940dn**
Product number	Y3Z61A
Country of origin	Made in Netherlands
What's in the box	HP PW Managed Color MFP P77940dn; HP Setup Ink Cartridges (yield after setup 16,000 pages CMY and 20,000 Black); Installation guide; Support flyer; Documentation on CD-ROM; Power cord
Warranty	90 day parts only warranty

Footnotes

[1] Based on HP review of 2017 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://hp.com/go/PrintersThatProtect. For more information: http://hp.com/go/printersecurityclaims.
[2] Comparison based on printing in Professional mode.
[3] Energy claim based on TEC data reported on http://energystar.gov as of February 2018. Data normalised to determine energy efficiency of in-class A3 colour laser printers and MFPs with published speeds of 20 to 80 ppm, excluding other HP PageWide products. Subject to device settings. Actual results may vary.
[4] Fewer service parts claim based on HP analysis of leading in-class A3 colour 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% colour ratio). Learn more at http://hp.com/go/pagewideclaims.
[5] Comparison of HP PageWide A3 devices with leading in-class colour ink/laser MFPs (€2,820-€11,199), and colour ink/laser single function printers (€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://hp.com/go/printerspeeds.
[6] Feature works with Microsoft® Word and PowerPoint® 2003 and later. Only Latin language fonts are supported.
[7] Requires separate purchase. For details, see http://hp.com/go/securitymanager.
[8] Program availability varies. For more information, visit http://hp.com/recycle.

Technical specifications disclaimers

[1] Speed specifications have been updated to reflect current industry testing methods.
[2] No heating or fusing warm up time required
[3] 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.
[4] HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.
[5] Speed specifications have been updated to reflect current industry testing methods.
[6] Based on standard ITU-T test image at standard resolution. More complicated pages or higher resolution will take longer and use more memory.
[7] All HP media listed as compatible with the printer in the HP PageWide Printing Supplies Compatibility Guide, regardless of weight, may be used
[8] With ink installed, no media in trays
[9] 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.