Wireless, Print, Fax, Scan and Copy

HP PageWide Pro 477dw Multifunction Printer

Ultimate value and speed—HP PageWide Pro delivers the lowest total cost of ownership and fastest speeds in its class.[1, 2] Get quick two-sided scanning, plus best-in-class security features and energy efficiency.[3, 4]

Professional colour, breakthrough total cost
- Results you expect and lasting value—breakthrough total cost of ownership, the lowest in its class.[2]
- Print professional-quality colour on a variety of papers—perfect for office use.
- Print more pages and replace cartridges less often, using Original HP PageWide high-yield cartridges.[7]
- Spend less time and budget on scheduled maintenance with streamlined HP PageWide Technology.[8]

The fastest MFP in its class[1]
- Wait less, do more with unmatched speeds[1]—up to 55 ppm—and the fastest first-page printing in its class.[5]
- Get fast two-sided scanning directly to email and the cloud with this LDAP-enabled MFP.[9]
- Manage tasks from a 10.9 cm (4.3-inch) touchscreen. Print Microsoft® Word and PowerPoint® files from USB.[6]
- Print from your mobile device with Wi-Fi Direct® and NFC touch-to-print technology—no network needed.[10, 11]

Proven technology. Superior energy efficiency.[4]
- Minimize downtime with HP PageWide Technology that delivers reliable performance businesses demand.
- Conserve with HP PageWide Technology—designed to use less energy than any MFP in its class.[4]
- Get professional-quality colour documents and the performance you expect with Original HP PageWide cartridges.

Best-in-class security and management features[3]
- Help protect your investment and extend capabilities as your needs grow, with a portfolio of solutions.[12]
- Help ensure the security of confidential information. Enter a PIN at the device to retrieve your print job.
- Regulate colour use and reduce printing costs with HP Color Access Control.[13]
- Help keep your printer secure—from boot up to shutdown—with secure boot and secure code integrity validation.

[1] Comparison based on manufacturers' published specifications of fastest available colour mode of all colour business printers $300–$800 USD and MFPs $400–$1000 USD as of November 2015, excluding other HP PageWide products, and products with 1% or lower market share using market share as reported by IDC as of Q3 2015. HP PageWide speeds based on General Office mode and exclude first page. Learn more at hp.com/go/printerspeeds [2] Total cost of ownership comparison based on 90,000 pages, manufacturers' published specifications for page yields and energy use, manufacturers' suggested retail prices for hardware and supplies, cost per page based on ISO yield with continuous printing in default mode with highest-available-capacity cartridges, long-life consumables of all colour business printers $300–$800 USD and MFPs $400–$1,000 USD as of November 2015, excluding products with 1% or lower market share using market share as reported by IDC as of Q3 2015. Learn more at hp.com/go/pagewideclaims and hp.com/go/learnaboutsupplies [3] Best-in-class security and fleet management claim based on comparison of built-in features of all colour business printers $300–$800 USD and MFPs $400–$1000 USD as of November 2015, excluding products with 1% or lower market share using market share as reported by IDC as of Q3 2015. Learn more at hp.com/go/printersecurityclaims [4] Energy claim based on comparisons of data reported on energystar.gov for majority of in-class colour business printers $300–$800 USD and MFPs $400–$1000 USD as of November 2015; market share as reported by IDC as of Q3 2015. Actual results may vary. Learn more at hp.com/go/pagewideclaims [5] Comparison based on manufacturers' published specifications of first page out from ready and sleep mode of all colour business printers $300–$800 USD and MFPs $400–$1000 USD as of November 2015, excluding other HP PageWide products, and products with 1% or lower market share using market share as reported by IDC as of Q3 2015. Subject to device settings. Actual results may vary. Learn more at hp.com/go/printerspeeds [6] Feature works with Microsoft® Word and PowerPoint® 2003 and later. Only Latin language fonts are supported. [7] HP 970X High Yield Original PageWide Cartridges are not included in printer purchase; purchase separately. Comparison based on ISO 24711 cartridge yields for HP 970 series High Yield Original PageWide Cartridges compared with HP 970 series Original PageWide Cartridges. High-yield cartridges are compatible only with HP PageWide Pro 400 and 500 series MFPs and printers. Learn more at hp.com/go/learnaboutsupplies [8] Less scheduled maintenance based on 150,000 pages printed, and published comparisons of majority of in-class colour laser printers $300–$800 USD and MFPs $400–$1000 USD as of November 2015; market share as reported by IDC as of Q3 2015. Learn more at hp.com/go/pagewideclaims [9] Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see hpconnected.com [10] Mobile device needs to be connected directly to the signal of a Wi-Fi Direct® supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance®. For details, see hp.com/go/mobileprinting [11] Requires a compatible NFC-printing-enabled mobile device. For a list of compatible NFC-printing-enabled mobile devices, see hp.com/go/nfcprinting [12] Additional workflow solutions available through HP's software and third-party partner program. For solution details, visit hp.com/go/gsc [13] HP Color Access Control available only on HP PageWide Pro devices with a 10.9 cm (4.3-inch) touchscreen. Learn more at hp.com/go/pagewidebusiness

HP 80 LaserJet Toner Cartridges

(CF280A, CF280X, CF280XD, CF280XF)

Ideal for printing professional-quality, black-and-white business documents at great value.

Make business documents look professional when you print with Original HP LaserJet toner cartridges. Stay productive by helping to avoid wasted time and pages. These reliable cartridges are specifically designed for your HP LaserJet printer or MFP.

Legendary HP reliability

4800 optimized dpi

Environmental globe

Optimized performance

Print crisp, black text and detailed graphics

Make an impact with professional black-and-white documents and crisp, black text. Original HP toner delivers sharp detail and consistent grey scale for charts and graphs. Get business-quality results on a wide range of laser papers.

Print professional-quality documents, using toner that produces crisp text and sharp, black graphics.

Stay productive and get consistent, reliable printing

Help keep printing costs low while maintaining productivity. HP toner cartridges deliver consistent, uninterrupted printing so you can avoid wasted pages. Optional high-yield cartridges are available for frequent printing.

Count on reliable printing and professional-quality results you can be proud of.

Install, use and recycle easily

Simplify your printing experience with reliable, easy-to-use printing and supplies management, plus convenient, free recycling through HP Planet Partners[1].

Install in a snap – HP's cartridge design makes replacing a toner cartridge quick and easy.

Data sheet

HP 410 LaserJet Printing Supplies

(CF410A, CF411A, CF413A, CF412A, CF410XD, CF252XM, CF410X, CF411X, CF413X, CF412X)

Ideal for producing professional-quality colour prints at high speeds your HP printer or MFP was built for, while helping protect against fraud.

Count on Original HP Toner Cartridges with JetIntelligence to deliver more pages than ever at fast speeds[1], affordable high-yield options[2] and anti-fraud technology to ensure consistent HP colour quality – something the competition can't match.

More pages – and more value – than ever[1]

Be confident you're getting more from your cartridge.[1] Original HP Toner Cartridges with JetIntelligence deliver more pages than ever before.[1] Count on intelligent tracking of toner levels and cost-effective, high-yield cartridges.[2,3]
Get more from your investment. Page maximiser technology delivers more pages per cartridge than ever before.[1]

Print at high speeds – without sacrificing quality

Produce consistent, professional-quality colour documents at speeds your HP printer or MFP was built to achieve. Original HP Toner Cartridges with JetIntelligence match your printer's high-speed performance and deliver results you expect.
Continue to count on professional quality at high speeds with HP ColorSphere 3 toner.

Help protect against fraud and maintain quality

Help protect your business against counterfeit cartridges with HP's exclusive anti-fraud technology. Manage business costs and maintain quality standards for your HP LaserJet printers and MFPs with Original HP-only policies and cartridge protection.
Help ensure you're getting the authentic HP quality you paid for with innovative anti-fraud technology.

Help protect your investment

Get more quality pages from your HP printer or MFP.[1] Original HP Toner Cartridges with JetIntelligence match the high-speed performance of your printer for consistent results. Choose toner that helps your printer work its best – Original HP.
Continue to count on professional quality at high speeds – print after print – with HP ColorSphere 3 toner.

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[1] Based on ISO/IEC 19798 cartridge yields for HP 305X High Yield Black Original LaserJet Toner cartridge and 305A Cyan/Magenta/Yellow Original LaserJet Toner cartridge compared with HP 410X High Yield Black/Cyan/Magenta/Yellow Original LaserJet Toner cartridges. Learn more at http://www.hp.com/go/learnaboutsupplies.
[2] HP 410X High Yield Black/Cyan/Yellow/Magenta Original LaserJet Toner cartridges are not included in printer purchase; purchase separately. Learn more at http://www.hp.com/go/learnaboutsupplies.
[3] As compared with cartridge gauges for predecessor products.

HP LaserJet Pro M203 Printer series

Stay a step ahead

Get more pages, performance, and protection[1] from a wireless HP LaserJet Pro powered by JetIntelligence Toner cartridges. Set a faster pace for your business: print two-sided documents right away, and easily manage to help maximise efficiency.

HP LaserJet Pro M203dn Printer

HP LaserJet Pro M203dw Printer

Highlights

- Automatic two-sided printing standard
- Fast print speed (28 ppm A4)
- Fast FPOT from sleep (Auto-Off) mode
- Wireless connectivity (M203dw)
- HP ePrint, Apple AirPrint
- Wi-Fi Direct printing (M203dw)
- HP Auto-On/Auto-Off for low energy consumption
- JetIntelligence

2-sided printing

Wireless direct

Auto wireless connect

ePrint

Laser technology

Auto on/off

Fast printing, low energy use

- Print at the pace of business – this printer is equipped with fast two-sided printing.
- Grab the documents you need and go. Print first pages in as fast as 7 seconds.[2]
- Help save energy with HP Auto-On/Auto-Off Technology.[3]

Mobile printing made simple

- Print from iPhone® and iPad® with AirPrint®, which automatically scales jobs to the correct paper size.[4]
- Print directly from your mobile device to your Wi-Fi Direct® printer – without accessing the company network.[5]
- Print with the ease of sending an email, right from a smartphone, tablet, or notebook, using HP ePrint.[6]
- Send jobs from your smartphone, tablet, or PC to any company printer, using Google Cloud Print™ 2.0.[7]

Manage company-wide printing with confidence

- Centralise control of your printing environment with HP Web Jetadmin – and help build business efficiency.[8]
- Identify new devices and gain insight into printing with HP Web Jetadmin remote discovery and monitoring.[8]
- Employ policy-based, fleet-wide protection features, using optional HP JetAdvantage Security Manager.[9]

HP quality – print after print

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Don't be fooled by alternatives that mimic Original HP. Help ensure you're getting the quality you paid for.
- Print over 2x more pages than standard cartridges, using optional Original HP high-yield toner cartridges.[10]
- Get more pages than ever before,[1] and track remaining pages to help ensure you get what you paid for.[11]

Product walkaround

HP LaserJet Pro M203dw Printer shown

1. LED control panel
2. Automatic two-sided printing
3. Hi-Speed USB 2.0 port. Fast Ethernet network port, access port for optional lock
4. 100-sheet output bin
5. Wi-Fi Direct printing
6. Top cover access to toner cartridges
7. Built-in wireless networking (802.11b/g/n)
8. 10-sheet priority input tray
9. 250-sheet input tray (shown open)

Series at a glance

Model	HP LaserJet Pro M203dn Printer	HP LaserJet Pro M203dw Printer
Product number	G3Q46A	G3Q47A
Function	Print	
Print speed	Up to 28 ppm, duplex: up to 18 ipm	
Automatic two-sided printing	Yes	
Connectivity	1 Hi-Speed USB 2.0; 1 Ethernet 10/100 network	1 Hi-Speed USB 2.0; 1 Ethernet 10/100 network; Wireless 802.11 b/g/n
Mobile printing capability	HP ePrint; AirPrint 1.5 with media presence sensor; Google Cloud Print™ 2.0	HP ePrint; Wi-Fi Direct Printing; AirPrint 1.5 with media presence sensor; Google Cloud Print™ 2.0

Accessories, Supplies and Support

Supplies	CF230A HP 30A Black Original LaserJet Toner Cartridge (1,600 pages)
	CF230X HP 30X High Yield Black Original LaserJet Toner Cartridge (3,500 pages)
	CF232A HP 32A Original LaserJet Imaging Drum (23,000 pages)
	CHP310 HP LaserJet Paper-500 sht/A4/210 x 297 mm ()
	CHP110 HP Office Paper-500 sht/A4/210 x 297 mm ()
Service and Support	UG116E HP 2 year Care Pack with Next Day Exchange for LaserJet Printers UG230E HP 2 year Care Pack with Standard Exchange for LaserJet Printers UG289E HP 3 year Care Pack with Return to Depot Support for LaserJet Printers

Technical specifications

Model	HP LaserJet Pro M203dn Printer	HP LaserJet Pro M203dw Printer
Product number	G3Q46A	G3Q47A
Control panel	Button LED: 3 light-emitting diode (LED) indicator lights (Ready, Attention, Toner); 2 button (Resume, Cancel)	Button LED: 4 light-emitting diode (LED) indicator lights (Wireless, Ready, Attention, Toner); 3 buttons (Resume, Cancel, Wireless)
Print		
Print technology	Laser	
Print speed[1]	Black (A4, normal) Up to 28 ppm; Black (A4, duplex): Up to 18 ipm;	
First page out[2]	Black (A4, ready): As fast as 6.7 sec; Black (A4, sleep): As fast as 8.0 sec;	
Print resolution	Black (best): Up to 1200 x 1200 dpi; Technology: HP FastRes 1200, HP ProRes 1200;	
Monthly duty cycle[3]	Up to 30,000 pages A4; Recommended monthly page volume[4]: 250 to 2,500	
Printer smart software features[5]	AirPrint 1.5 with media presence sensor, Instant-on Technology, HP Auto-On/Auto-Off Technology, JetIntelligence cartridges, Duplex Printing	AirPrint 1.5 with media presence sensor, Instant-on Technology, HP Auto-On/Auto-Off Technology, JetIntelligence cartridges, Mopria-certified, Wi-Fi Direct Printing, Duplex Printing
Standard print languages	PCL5c, PCL6, PS, PCLm, PDF, URF, PWG	
Fonts and typefaces	84 scalable TrueType fonts	
Print area	Print margins Top: 4 mm, Bottom: 4 mm, Left: 4 mm, Right: 4 mm; Maximum print area:	
Duplex printing	Automatic (standard)	

Model	HP LaserJet Pro M203dn Printer	HP LaserJet Pro M203dw Printer
Product number	G3Q46A	G3Q47A
Processor speed	800 MHz	
Connectivity		
Standard	1 Hi-Speed USB 2.0; 1 Ethernet 10/100 network	1 Hi-Speed USB 2.0; 1 Ethernet 10/100 network; Wireless
Wireless	No	Yes, built-in Wi-Fi 802.11b/g/n
Mobile printing capability	HP ePrint; AirPrint 1.5 with media presence sensor; Google Cloud Print™ 2.0	HP ePrint; Wi-Fi Direct Printing; AirPrint 1.5 with media presence sensor; Google Cloud Print™ 2.0
Supported network protocols	TCP/IP; IPv4; IPv6; IP Direct Mode; LPD; SLP; Bonjour; WS-Discovery; BOOTP/DHCP/AutoIP; WINS; SNMPv1/2/3; HTTP/HTTPS	
Network capabilities	Standard (built-in Ethernet)	Standard (built-in Ethernet, Wi-Fi 802.11b/g/n)
Memory	**Standard**: 256 MB; **Maximum**: 256 MB	
Media handling		
Number of paper trays	**Standard**: 1 main tray plus, 10-sheet priority slot ; **Maximum**: 1 main tray plus, 10-sheet priority slot	
Media types	Paper (laser, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards	
Media size	**Custom (metric)**: 76 x 127 to 216 x 356 mm ; **Supported (metric)**: A4; A5; A6; B5 (JIS)	
Media handling	**Standard input**: 250-sheet input tray, 10-sheet priority tray **Standard output**: 150-sheet output tray	
Media weight	60 to 163 g/m²;	

Model	HP LaserJet Pro M203dn Printer	HP LaserJet Pro M203dw Printer
Product number	G3Q46A	G3Q47A
Input capacity	**Tray 1**: Sheets: 10; Envelopes: 10 **Tray 2**: Up to 250 sheets **Maximum**: Up to 260 sheets	
Output capacity	**Standard**: Up to 150 sheets Envelopes: Up to 10 envelopes **Maximum**: Up to 150 sheets	
Compatible operating systems[6]	Windows®: 10, 8.1, 8, 7: 32-bit/64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer; Windows Vista®: 32-bit only, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, 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, Internet Explorer 8; Apple® OS X Sierra(v10.12), OS X El Capitan (v10.11), OS X Yosemite (v10.10), OS X Mavericks (v10.9), 1 GB available hard disk space, Internet required, USB; Linux (for more information, see http://hplipopensource.com/hplip-web/index.html); Unix (for more information, see http://www.hp.com/go/unixmodelscripts)	
Compatible network operating systems	Windows: 10, 8.1, 8, 7: 32-bit/64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer; Windows Vista: 32-bit only, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Windows XP SP3 or higher: 32-bit only; any IntelPentiumII, Celeronor 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Apple OS X El Capitan (v10.11), OS X Yosemite (v10.10), OS X Mavericks (v10.9), 1 GB available hard disk space, Internet required, USB; Linux (for more information, see http://hplipopensource.com/hplip-web/index.html); Unix (for more information, see http://www.hp.com/go/unixmodelscripts)	
Minimum system requirements	**Windows**: Windows® 10, 8.1, 8, 7: 32-bit/64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer; Windows Vista®: 32-bit only, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, 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, Internet Explorer 8; **Mac**: Apple® OS X Sierra(v10.12), OS X El Capitan (v10.11), OS X Yosemite (v10.10), OS X Mavericks (v10.9), 1 GB available hard disk space, Internet required, USB	
Software included	For Windows OS: HP Software Installer, HP Software Uninstaller (exclude Windows 8+), HP PCL6 Printer Driver, HP Device Experience (DXP), HP Connected, Device Setup & Software, HP Printer Assistant, HP Product Improvement Study, Online user manuals; For Mac OS: Welcome Screen (directs users to http://www.HP.com or OS App Source for LaserJet Software)	
Security management	Password-protected network embedded Web server; Enable/Disable Network ports; SNMPv1 community password change	
Printer management	HP Printer Assistant (UDC); HP Utility (Mac); HP Device Toolbox; HP JetAdvantage Security Manager	
Dimensions and weight		
Printer dimensions (W x D x H)[7]	**Minimum** 370.5 x 407.4 x 223.9 mm; **Maximum**: 370.5 x 624.4 x 359.5 mm;	
Package dimensions (W x D x H)	438 x 278 x 466 mm	
Printer weight	6.9 kg	
Package weight	9.2 kg	
Operating environment	**Temperature**: 15 to 32.5ºC; **Humidity**: 30 to 70% RH	
Storage conditions	**Temperature**: -20 to 60ºC; **Humidity**: 10 to 90% RH	
Acoustics	**Acoustic power emissions**: 6.6 B(A); **Acoustic pressure emissions**: 53 dB(A)	
Power[8]	**Requirements**: Input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz, 3.1 A; **Consumption**: 480 watts (active printing), 1.9 watts (ready), 0.5 watts (sleep), 0.8 watts (auto off/wake on USB, enabled at shipment); **Typical Electricity Consumption (TEC)**[9]: Blue Angel: 0.826 kWh/Week; Energy Star: 0.810 kWh/Week; **Power supply type**: Built-in power supply;	
Energy savings feature technology	HP Auto-on/Auto-off Technology	
Certifications	CISPR 22:2008/EN 55022:2010 (Class B); EN 61000-3-2:2006 +A1:2009 +A2:2009; EN 61000-3-3:2013; EN 55024:2010 ENERGY STAR® qualified; EPEAT® Silver **Blue Angel compliant** Yes; Blue Angel RAL-UZ 205	CISPR 22:2008/EN 55022:2010 (Class B); EN 61000-3-2:2006 +A1:2009 +A2:2009; EN 61000-3-3:2013; EN 55024:2010 ENERGY STAR® qualified; EPEAT® Silver **Blue Angel compliant** Yes; Blue Angel RAL-UZ 205
What's in the box[10]	HP LaserJet Pro M203dn Printer; HP Black LaserJet Toner Starter Cartridge (1,000 pages); HP LaserJet Imaging Drum (23,000 pages); HIG; Setup poster; Support flyer; Warranty guide; Flyer; Printer documentation and software on CD-ROM; Software drivers and documentation on CD-ROMs; CDs containing software and electronic documentation; Power cord	HP LaserJet Pro M203dw Printer; HP Black LaserJet Toner Starter Cartridge (1,000 pages); HP LaserJet Imaging Drum (23,000 pages); HIG; Setup poster; Support flyer; Warranty guide; Flyer; Printer documentation and software on CD-ROM; Software drivers and documentation on CD-ROMs; CDs containing software and electronic documentation; Power cord; USB cable
Warranty	One-year unit exchange 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.	

Footnotes

[1] Based on ISO/IEC 19752 cartridge yields for HP 30A Black Original LaserJet Toner Cartridges compared with HP 83A Black Original LaserJet Toner Cartridges, and HP 30X High Yield Black Original LaserJet Toner Cartridges compared with HP 83X High Yield Black Original LaserJet Toner Cartridges. Learn more at http://www.hp.com/go/learnaboutsupplies.
[2] Measured using ISO/IEC 17629. Exact speed varies depending on the system configuration, software application, driver, and document complexity. Learn more at http://www.hp.com/go/printerclaims.
[3] HP Auto-On/Auto-Off Technology capabilities are subject to printer and settings.
[4] Mobile device must have iOS v7.0 or higher. Learn more at http://www.hp.com/go/mobileprinting.
[5] Feature is supported on selected printers. Mobile device needs to be connected directly to the signal of a Wi-Fi Direct® supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see http://www.hp.com/go/mobileprinting. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance®.
[6] Printer requires ePrint account registration. App or software may be required. Learn more at http://www.hp.com/go/mobileprinting.
[7] Requires Google Cloud Print™ registration and Google account. Learn more at http://www.hp.com/go/mobileprinting.
[8] Not all HP Web Jetadmin features are supported on the HP LaserJet Pro M203. HP Web Jetadmin is available for download at no additional charge at http://www.hp.com/go/webjetadmin.
[9] Based on HP internal research on competitor offerings (Device Security Comparison 1/2015) and Solutions Report on HP JetAdvantage Security Manager 2.1 from Buyers Lab, 2/2015. Requires separate purchase. For details, see http://www.hp.com/go/securitymanager.
[10] Comparison based on ISO 24711 cartridge yields for HP 30X High Yield Black Original LaserJet Toner Cartridges compared with HP 30A Black Original LaserJet Toner Cartridges. Learn more at http://www.hp.com/go/learnaboutsupplies.
[11] As compared with cartridge gauges for HP predecessor products.

Technical specifications disclaimers

[1] Measured using ISO/IEC 24734, 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.
[2] Measured using ISO/IEC 17629. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[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 Colour 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] Wi-Fi direct is only available on M203dw bundle.
[6] Not supporting Windows® XP (64-bit) and Windows Vista® (64-bit), Not all "Compatible Operating Systems" are supported with INBOX software, Full solution software available only for Windows 7 and newer, Legacy Windows Operation Systems (XP, Vista, and equivalent servers) get print drivers only; For Windows Server 2003 32-bit and 2008 32-bit and 64-bit, 2008 R2 64-bit, 2012 64-bit, 2012 R2 64-bit only print driver is installed; Windows RT OS for Tablets (32/64-bit) uses a simplified HP print driver built into the RT OS; Linux systems use in-OS HPLIP software.
[7] Without trays and covers not extended.
[8] 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.
[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. Energy Star value typically based on measurement of 115V device.
[10] HP Introductory Black LaserJet Toner Cartridge (1,000 pages), HP Original LaserJet Imaging Drum (23,000 pages). Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.
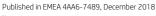
www.blauer-engel.de/uz205

http://www.hp.com/uk

Compatibility statement

HP Color LaserJet Pro M452 Printer series; HP Color LaserJet Pro MFP M477 series

Product specifications

P/N	Description	Average Cartridge Yield *	Dimensions (L x W x D)	Weight	UPC code
CF410A	HP 410A Black Original LaserJet Toner Cartridge	2,300 pages	363 x 102 x 123 mm	0.9 kg	888793807507
CF411A	HP 410A Cyan Original LaserJet Toner Cartridge	2,300 pages	363 x 102 x 123 mm	0.9 kg	888793807514
CF413A	HP 410A Magenta Original LaserJet Toner Cartridge	2,300 pages	363 x 102 x 123 mm	0.9 kg	888793807538
CF412A	HP 410A Yellow Original LaserJet Toner Cartridge	2,300 pages	363 x 102 x 123 mm	0.9 kg	888793807521
CF410XD	HP 410X 2-pack High Yield Black Original LaserJet Toner Cartridges	Per cartridge: 6,500 pages	363 x 242 x 123 mm	1.9 kg	190780321324
CF252XM	HP 410X 3-pack High Yield Cyan/Magenta/Yellow Original LaserJet Toner Cartridges	Per cartridge: 5,000 pages	363 x 327 x 123 mm	2.7 kg	190780321348
CF410X	HP 410X High Yield Black Original LaserJet Toner Cartridge	6,500 pages	363 x 121 x 123 mm	0.95 kg	888793807545
CF411X	HP 410X High Yield Cyan Original LaserJet Toner Cartridge	5,000 pages	363 x 109 x 123 mm	0.9 kg	888793807552
CF413X	HP 410X High Yield Magenta Original LaserJet Toner Cartridge	5,000 pages	363 x 109 x 123 mm	0.9 kg	888793807576
CF412X	HP 410X High Yield Yellow Original LaserJet Toner Cartridge	5,000 pages	363 x 109 x 123 mm	0.9 kg	888793807569

*Approximate average yield based on ISO/IEC 19798. Actual yield varies considerably based on content of printed pages and other factors. For details, see http://www.hp.com/go/learnaboutsupplies.

Warranty

HP's Premium Protection Warranty. This HP product is warranted to be free from defects in materials and workmanship.

For more information about HP Supplies, visit http://www.hp.com

Compatibility statement

HP LaserJet Pro 400 M401 Printer series; HP LaserJet Pro 400 MFP M425 series

Product specifications

P/N	Description	Average cartridge yield *	Dimensions (l x w x d)	Weight	UPC code
CF280A	HP 80A Black Original LaserJet Toner Cartridge	2,560 pages Approximate average yield based on ISO/IEC 19752. Actual yield varies considerably based on content of printed pages and other factors. For details, see http://www.hp.com/go/learnaboutsupplies.	340 x 109 x 205 mm	1 kg	886111144143
CF280X	HP 80X High Yield Black Original LaserJet Toner Cartridge	6,900 pages Approximate average yield based on ISO/IEC 19752. Actual yield varies considerably based on content of printed pages and other factors. For details, see http://www.hp.com/go/learnaboutsupplies.	340 x 113 x 225 mm	1.3 kg	886111144150
CF280XD	HP 80X 2-pack High Yield Black Original LaserJet Toner Cartridges	Per cartridge: 6,900 pages Approximate average yield based on ISO/IEC 19752. Actual yield varies considerably based on content of printed pages and other factors. For details, see http://www.hp.com/go/learnaboutsupplies.	344 x 227 x 228 mm	2.6 kg	886112379643
CF280XF	HP 80X 2-pack High Yield Black Original LaserJet Toner Cartridges	Per cartridge: 6,900 pages Approximate average yield based on ISO/IEC 19752. Actual yield varies considerably based on content of printed pages and other factors. For details, see http://www.hp.com/go/learnaboutsupplies.	344 x 227 x 228 mm	2.6 kg	888182812112

*Approximate average yield based on ISO/IEC 19752. Actual yield varies considerably based on content of printed pages and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

Warranty

HP's Premium Protection Warranty. This HP product is warranted to be free from defects in materials and workmanship.

For more information about HP Supplies, visit http://www.hp.com

4AA5-6786, June 2019

Technical specifications

AIO functions	Wireless, Print, Fax, Scan and Copy
Print	
Speed[1]	**Black:** Up to 55 ppm (draft, A4); Up to 40 ppm (ISO, laser-comparable); **Colour:** Up to 55 ppm (draft, A4); Up to 40 ppm (ISO, laser-comparable); **Duplex printing:** Black/Colour (Draft, A4): Up to 29 ipm
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)
Languages	HP PCLXL (PCL6), native PDF, HP Postscript Level 3 emulation
Printer management	HP Web Jetadmin; Embedded Web Server; HP UPD Printer Administrator Resource Kit; HP Utility (Mac); HP JetAdvantage Security Manager
Wireless capability	Yes
HP ePrint capability	Yes
HP Auto wireless connect	Yes
Mobile printing capability	HP ePrint, HP Mobile Apps, Google Cloud Print v2, Apple AirPrint™, Mopria-certified, Android Plug-in, Windows 8/10, Windows 10 Mobile, Chromebook
Scan	
Type	Flatbed, ADF
Technology	Contact Image Sensor (CIS)
Speed	Up to 25 ipm (mono & colour); **Duplex speed (A4):** Up to 26 ipm (mono & colour)
Resolution	**Hardware:** Up to 1200 x 1200 dpi; **Optical:** Up to 1200 dpi
Max scanning size	**Flatbed:** 216 x 356 mm
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, Scan to Computer with SW. Client applications: EWS, HP Scan App, Compatible with HP Capture and Route
Grayscale levels	256
Bit depth	24-bit (colour); 8-bit (gray)
File format	Scan File Type supported by Software: Bitmap (.bmp), JPEG (.jpg), PDF (.pdf), PNG (.png), Rich Text (.rtf), Searchable PDF (.pdf), Text (.txt), TIFF (.tif)
Digital sending standard features	Scan-to E-mail with LDAP email address lookup; Scan-to Network Folder; Scan-to USB; Scan-to Sharepoint; Scan-to Computer with SW; Fax Archive-to Network Folder; Fax Archive to E-mail; Fax-to Computer; Enable/Disable Fax; Enable/Disable colour Fax, Colour Access Control; Native Authorization & authentication
Copy	
Speed[2]	**Black:** Up to 55 cpm (draft, A4); Up to 40 cpm (ISO, laser-comparable); **Colour:** Up to 55 cpm (draft, A4); Up to 40 cpm (ISO, laser-comparable)
Resolution	**Black (text and Graphics):** Up to 600 dpi; **Colour (text and graphics):** Up to 600 dpi
Max copies	Up to 99 copies
Copier reduce/enlarge	25 to 400%
Fax	
Resolution	**Black (best):** Up to 300 x 300 dpi; **Colour (best):** 200 x 200 dpi
Transmission speed	Up to 33.6 kbps; 4 sec per page
Memory[3]	Up to 100 pages (black and white); Up to 8 pages (colour)
Fax features	**Faxing:** Yes, colour; **Faxing options (ADF):** Two-sided; **Auto-Redialling:** Yes; **Fax delayed sending:** Yes; **Distinctive ring detection supported:** Yes; **Fax forwarding supported:** Yes; **Fax polling supported:** Yes; **Auto fax reduction supported:** Yes; **Fax telephone mode supported:** No; **Junk barrier supported:** Yes, requires Caller ID; **PC interface supported:** Yes, HP Software support provided; **Telephone handset supported:** Yes
Display	10.9 cm (4.3") CGD (colour graphics), IR touchscreen
Media	
Duplex print options	Automatic (standard)
Duty cycle (monthly, A4)[4]	Up to 50,000 pages
Recommended monthly volume[5]	Up to 750 to 4,500 pages
Auto document feeder capacity	Standard, 50 sheets
Supported sizes	**Tray 1:** Letter, oficio, legal, statement, executive, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, envelopes (No. 10, Monarch); **Tray 2:** Letter, statement, executive, envelopes (No. 10); **Tray 3:** Letter, oficio, legal, statement, executive
Recommended weights	60 to 120 g/m² (plain paper); 125 to 300 g/m² (photo); 75 to 90 g/m² (envelope); 120 to 180 g/m² (brochure); 163 to 200 g/m² (card)
Supported weights	**Tray 1:** 60 to 120 g/m² (plain paper); 125 to 300 g/m² (photo); 75 to 90 g/m² (envelope); 120 to 180 g/m² (brochure); 163 to 200 g/m² (card); **Tray 2:** 60 to 120 g/m² (plain paper); 125 to 250 g/m² (photo); 75 to 90 g/m² (envelope); 120 to 180 g/m² (brochure); 163 to 200 g/m² (card); **Tray 3:** 60 to 120 g/m² (plain paper); 125 to 250 g/m² (photo); 120 to 180 g/m² (brochure); 163 to 200 g/m² (card)
Types	Plain paper (light, intermediate, mid-weight, heavy, extra heavy, prepunched, recycled, bond, other inkjet plain paper), photo (glossy, gloss, soft gloss, satin, matte, other inkjet photo), envelopes, labels, cards, specialty papers (glossy brochure, matte brochure, tri-fold brochure, Hagaki, greeting cards, other inkjet specialty paper)
Paper handling	500-sheet input tray, 50-sheet multi-purpose tray, 300-sheet face-down output bin; Optional 500-sheet tray
Memory	768 MB
Operating system compatibility	Windows 10, Windows 8, Windows 7, Mac OS X v10.6, Mac OS X Lion, Mac OS X Mountain Lion, Linux (hplip.net)
Minimum system requirements	**PC:** Windows® 10, 8.1, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer. Windows Vista®: (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, 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, Internet Explorer 8; **Mac:** Apple® OS X Yosemite, OS X Mavericks, OS X Mountain Lion; 1 GB HD; Internet required; USB
Connectivity	
Connectivity	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100 Base-TX network; 2 RJ-11 modem port/phone line; 802.11 b/g/n Station; 802.11 b/g Access Point
Network capabilities	Standard (built-in Ethernet and WiFi 802.11b/g/n)
Supported network protocols	Supported Network Protocols configurations (IPv4, IPv6); BOOTP; SMTP client; LLMNR; Bonjour; LP/ APIPA (Auto IP); NetBIOS/WINS; LPD; Custom Raw Port/Port9100; DNS Resolver; mDNS; SNMPv1/v2; SNMPv3; Web Services Discovery; Web Services Print; DHCP options: 81/RFC4702/RFC4704, 12-Hostname; 44; Syslog; Firewall; SSL/TLS (HTTPs); Password-protected network Embedded Web server; Enable/disable network ports & device features; 802.1x wired authentication; 802.1x wireless authentication (EAP-TLS and PEAP)
Dimension (W x D x H)	530 x 407 x 467 mm
Weight[6]	22.15 kg
Environmental	
Operating environment	**Recommended operating temperature range:** 15 to 30° C; **Storage temperature range:** -40 to 60° C
Acoustics	**Acoustic power emissions:** 6.9 B(A); **Acoustic pressure emissions:** 56 dB(A) (mono/colour printing), 54 dB(A) (ADF mono copying), 54 dB(A) (ADF colour copying), 45 dB(A) (ADF colour scanning), 45 dB(A) (ADF mono scanning), Inaudible (idle)
Power specifications	**Power supply type:** Internal (Built-in) Universal Power Supply; **Power supply required:** Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); **Power consumption:[7]** 100 watts (Maximum), 70 watts average (Printing), 10 watts (Ready), 4.8 watts (Sleep), 1.0 watt (Auto-Off), 0.2 watts (Manual-Off)
Warranty	1 Year Limited Warranty (Return to HP/Dealer – Unit Exchange)
What's in the box	HP PageWide Pro 477dw Multifunction Printer; Setup cartridges[8]; power cord; ethernet cable; phone cord; installation guide; CD-ROMs (for software, Windows and Mac printer drivers, and User's Guide); USB cable
Accessories	HP PageWide Pro 500-sheet Paper Tray (D3Q23A); HP PageWide Pro 2x500-sheet Paper Tray and Stand (P0V04A)

To learn more, visit hp.com

Ordering information

Number	Description
D3Q20D	HP PageWide Pro 477dw Multifunction Printer

Replacement cartridges

Number	Description
L0R97AA	HP 975A Black Original PageWide Cartridge
L0R88AA	HP 975A Cyan Original PageWide Cartridge
L0R91AA	HP 975A Magenta Original PageWide Cartridge
L0R94AA	HP 975A Yellow Original PageWide Cartridge
L0S09AA	HP 975X High Yield Black Original PageWide Cartridge
L0S00AA	HP 975X High Yield Cyan Original PageWide Cartridge
L0S03AA	HP 975X High Yield Magenta Original PageWide Cartridge
L0S06AA	HP 975X High Yield Yellow Original PageWide Cartridge

For information on reference page output, please log on the hp.com/go/pageyield

Recommended Papers[9]

Number	Description
C6818A	HP Professional Inkjet Paper, Glossy, A4, 50 sheets, 180 gsm
Q6593A	HP Professional Inkjet Paper, Matte, A4, 200 sheets, 120 gsm
Q6594A	HP Professional Inkjet Paper, Matte, A3, 100 sheets, 120 gsm

Please visit hp.com/apac/paper for more details.

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Number	Description
U8ZW7E	HP 3-year Next Business Day PageWide Pro X477 Hardware Support
U8ZW7A	HP 3-year Next Business Day PageWide Pro X477 Hardware Support
U8ZW8E	HP 4-year Next Business Day PageWide Pro X477 Hardware Support
U8ZW9E	HP 5-year Next Business Day PageWide Pro X477 Hardware Support
U8ZX0E	HP 3-year 4h 9x5 PageWide Pro X477 Hardware Support
U8ZX1E	HP 4-year 4h 9x5 PageWide Pro X477 Hardware Support
U8ZX2E	HP 5-year 4h 9x5 PageWide Pro X477 Hardware Support
U8ZX3E	HP 3-year 4h 13x5 PageWide Pro X477 Hardware Support
U8ZX4E	HP 4-year 4h 13x5 PageWide Pro X477 Hardware Support
U8ZX5E	HP 5-year 4h 13x5 PageWide Pro X477 Hardware Support
U8ZY4PE	HP 1-year Post Warranty Next Business Day PageWide Pro X477 Hardware Support
U8ZY5PE	HP 2-year Post Warranty Next Business Day PageWide Pro X477 Hardware Support
U8ZY6PE	HP 1-year Post Warranty 4h 9x5 PageWide Pro X477 Hardware Support
U8ZY7PE	HP 1-year Post Warranty 4h 13x5 PageWide Pro X477 Hardware Support

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[1] ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see hp.com/go/printerclaims [2] Speed specifications have been updated to reflect current industry testing methods. [3] Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory. [4] 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. [5] 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. [6] With ink installed, no media in trays. [7] 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 in Sleep modes depends on customer network switch capability, user configuration and network activity. [8] In order to initialize the printer, some ink from the included setup cartridges will be used. Setup cartridges may have different page yield than replacement cartridges. For more information, visit: hp.com/go/learnaboutsupplies [9] Available in selected countries only.