Data sheet

HP PageWide Enterprise Color 556 series

Ultimate value,[3] fastest speeds,[1] and deepest security[2] for today's enterprise.

Ultimate value for today's enterprise—HP PageWide Technology delivers the fastest speeds[1] and deepest security[2] for the lowest total cost of ownership in its class.[3] Count on productivity and unparalleled multi-level security.[2]

HP PageWide Enterprise Color 556dn

HP PageWide Enterprise Color 556xh

Professional colour, breakthrough total cost
- Results you expect and lasting value—breakthrough total cost of ownership, the lowest in its class.[3]
- Print professional-quality colour on a variety of papers—perfect for office use.
- Print up to 2.5x more pages[9] and replace less often than standard cartridges[10] with high-yield options.
- Spend less time and budget on scheduled maintenance with streamlined HP PageWide Technology.[11]

Enterprise productivity at unmatched speeds[1]
- Wait less and do more with best-in-class speeds—as fast as 75 ppm in colour and black-and-white.[1]
- Grab the documents you need and go. This device prints first pages in as fast as 7.1 seconds.[4]
- NFC touch-to-print and encrypted wireless direct help keep mobile printing seamless and protected.[6, 7]
- Equip employees to breeze through tasks with the adjustable 10.9 cm (4.3-inch) colour touchscreen.

Unparalleled fleet security and management[2]
- Embedded features detect security threats and heal your printer, protecting it from boot up to shutdown.[8]
- Help protect data on the printer and in transit, using embedded security features and 256-bit encryption.[8]
- Help build business efficiency with HP Web Jetadmin,[12] plus deploy over HP and 175 third-party solutions.
- Employ policy-based, fleet-wide protection features, using optional HP JetAdvantage Security Manager.[13]

Proven technology. Outstanding energy efficiency.
- Minimize downtime with HP PageWide Technology that delivers reliable performance businesses demand.
- Print up to 16,000 colour pages and up to 20,000 black-and-white pages—and go longer between replacements.[9]
- Conserve with HP PageWide Technology—designed to use less energy than any printer in its class.[5]
- Get professional-quality colour documents and the performance you expect with Original HP PageWide cartridges.
- Protect your investment with HP Care Pack. Let our HP certified engineers resolve all your technical issues.[14]

Product walkaround

1. Intuitive 10.9 cm (4.3-inch) pivoting colour touchscreen
2. Hardware integration pocket[1] for solution integration
3. Easy-access USB port to save and print files directly
4. Front door access to ink cartridges
5. 50-sheet multipurpose tray 1
6. Built-in automatic two-sided printing
7. 500-sheet input tray 2
8. 500-sheet input tray 3 (standard on 556xh, optional on 556dn)
9. 300-sheet output bin
10. Slot for cable-type security lock
11. HP High-Performance Secure Hard Disk (556xh model only)
12. Hi-Speed USB 2.0 printing port
13. Built-in Gigabit Ethernet
14. USB port for connecting external USB devices

HP PageWide Enterprise Color 556xh shown

Front view

Rear I/O panel close-up

Series at a glance

Model	556dn	556xh
Product number	G1W46A	G1W47A
50-sheet multipurpose tray 1; 500-sheet tray 2	✓	✓
1x500-sheet tray 3	Optional	✓
3x500-sheet paper tray and stand	Optional	Optional (after removing Tray 3 included with printer)
Printer cabinet and stand	Optional	Optional
HP High-Performance Secure Hard Disk	Not available	✓
Wireless direct printing[2]/NFC[3]	Optional	✓

[1] Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. [2] Wireless direct printing is standard on the HP PageWide Enterprise Color 556xh model only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for HP PageWide Enterprise Color 556dn. Mobile device needs to be connected directly to the Wi-Fi® network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the printer. For details, see hp.com/go/businessmobileprinting [3] Touch-to-print capability is standard on the HP PageWide Enterprise Color 556xh only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for HP PageWide Enterprise Color 556dn. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see hp.com/go/businessmobileprinting.

HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. Choose from:

Optimized Care (optimum performance and stability): 4 hour Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Standard Care (high level of uptime): Next Business Day Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Basic Care (minimum recommended support): Next Business Day Onsite Support

4 hr Onsite Support: Onsite support within four hours after a service call received within the coverage window

Next Business Day Onsite Support: Onsite service the next business day after the service call is received

Maintenance Kit Replacement Service: Onsite replacement of your printer's maintenance kit including parts, materials, and labor

Installation with Network Configuration Service: Assembly, network configuration, and basic administrator familiarization

For more information about HP Care Pack, HP Contractual, or HP Managed Print Services, visit hp.com/go/printservices

Top Features

Count on exceptional value and the results enterprises need to stay ahead—HP PageWide Technology is engineered to produce professional-quality colour documents for the lowest total cost of ownership in its class.[3]

Help elevate workgroup productivity with best-in-class print speeds[1] and blazing-fast first-page printing. Documents are ready right away for less waiting. Built-in Gigabit Ethernet and wireless printing help busy teams stay connected.[4]

Trust that this HP PageWide Enterprise printer is secure from power-up to power-down. Count on strong protection for devices, data, and documents with deepest embedded printer security from HP,[2] and centrally manage your entire fleet with ease.

Minimize interruptions and downtime with efficient, reliable performance. Conserve resources and use less energy than laser printers,[5] with HP PageWide Technology designed for today's busy office.

Product

G1W46A	HP PageWide Enterprise Color 556dn
G1W47A	HP PageWide Enterprise Color 556xh

Accessories

G1W43A	HP PageWide Enterprise 500-sheet Paper Tray
G1W44A	HP PageWide Enterprise Printer Cabinet & Stand
G1W45A	HP PageWide Enterprise 3x500-Sheet Paper Tray & Stand
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
J8031A	HP Jetdirect 2900nw Print Server
CZ028A	HP Common Card Reader
E5K48A	HP 1GB DDR3 x32 144-Pin 800MHz SODIMM
B5L28A	HP Internal USB Ports
F5S62A	HP Trusted Platform Module Accessory

Supplies[6]

J3M71A	HP 981A Black Original PageWide Cartridge (~6,000 pages)
L0R12A	HP 981X High Yield Black Original PageWide Cartridge (~11,000 pages)
L0R16A	HP 981Y Extra High Yield Black Original PageWide Cartridge (~20,000 pages)
J3M68A	HP 981A Cyan Original PageWide Cartridge (~6,000 pages)
L0R09A	HP 981X High Yield Cyan Original PageWide Cartridge (~10,000 pages)
L0R13A	HP 981Y Extra High Yield Cyan Original PageWide Cartridge (~16,000 pages)
J3M69A	HP 981A Magenta Original PageWide Cartridge (~6,000 pages)
L0R10A	HP 981X High Yield Magenta Original PageWide Cartridge (~10,000 pages)
L0R14A	HP 981Y Extra High Yield Magenta Original PageWide Cartridge (~16,000 pages)
J3M70A	HP 981A Yellow Original PageWide Cartridge (~6,000 pages)
L0R11A	HP 981X High Yield Yellow Original PageWide Cartridge (~10,000 pages)
L0R15A	HP 981Y Extra High Yield Yellow Original PageWide Cartridge (~16,000 pages)
B5L09A	Ink-collection unit

HP Care Packs

Number	Description
U9CV7E	HP 3-year Next Business Day + DMR Color PageWide Enterprise 556 Hardware Support
U9CV8E	HP 4-year Next Business Day + DMR Color PageWide Enterprise 556 Hardware Support
U9CV9E	HP 5-year Next Business Day + DMR Color PageWide Enterprise 556 Hardware Support
U9CW0E	HP 3-year 4h 9x5 + DMR Color PageWide Enterprise 556 Hardware Support
U9CW1E	HP 4-year 4h 9x5 + DMR Color PageWide Enterprise 556 Hardware Support
U9CW2E	HP 5-year 4h 9x5 + DMR Color PageWide Enterprise 556 Hardware Support
U9CW3E	HP 3-year 4h 13x5 + DMR Color PageWide Enterprise 556 Hardware Support
U9CW4E	HP 4-year 4h 13x5 + DMR Color PageWide Enterprise 556 Hardware Support
U9CW5E	HP 5-year 4h 13x5 + DMR Color PageWide Enterprise 556 Hardware Support
U9CW9PE	HP 1-year Post Warranty Next Business Day + DMR Color PageWide Enterprise 556 Hardware Support
U9CX0PE	HP 2-year Post Warranty Next Business Day + DMR Color PageWide Enterprise 556 Hardware Support
U9CX1PE	HP 1-year Post Warranty 4h 9x5 + DMR Color PageWide Enterprise 556 Hardware Support
U9CX2PE	HP 1-year Post Warranty 4h 13x5 + DMR Color PageWide Enterprise 556 Hardware Support

Protect your investment with HP Care Pack. Let HP certified engineers resolve your technical issues.
For more details on HP Care Pack, go to hp.com/go/cpc

Paper

Contact HP via phone: Asia: 65 6253 8500

Solutions

HP Web Jetadmin: hp.com/go/wja
HP Universal Print Driver: hp.com/go/upd
HP JetAdvantage Security Manager: hp.com/go/securitymanager
HP LaserJet Fonts, Barcodes, and IPDS Emulation available at hp.com/go/laserjetfonts
To learn more about available infrastructure, management, and workflow solutions, visit hp.com/go/gsc

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[1] Comparison of Enterprise devices based on manufacturers' published specifications of fastest available colour mode of colour business A4 MFPs $1000–$3000 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] Only HP Enterprise-class devices with FutureSmart offer a combination of security features for integrity checking down to the BIOS with self-healing capabilities. A FutureSmart service pack update may be required to activate security features. Learn more at hp.com/go/printersthatprotect [3] Total cost of ownership Enterprise comparison based on 150,000 pages, manufacturers' published specifications for page yields and energy use, Manufacturers' suggested retail price for HP hardware and supplies, average street prices for competitive devices, cost per page based on ISO yield with continuous printing in default mode with highest-available-capacity cartridges, and long-life consumables of all color business A4 printers $500–$1,249 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 [4] Wireless networking requires purchase of the HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and it may be limited during active VPN connections. [5] Energy claim for Enterprise devices based on TEC data, reported on energystar.gov, that is normalized for majority of in-class colour laser MFPs $1000–$3000 USD and colour laser printers $500–$1249 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 [6] Average colour 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 hp.com/go/learnaboutsupplies.

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HP PageWide Enterprise Color 556 series

Technical specifications	HP PageWide Enterprise Color 556dn (G1W46A)	HP PageWide Enterprise Color 556xh (G1W47A)
Functions	Print only	
Print		
Duplex print options	Automatic (standard)	
Print speed[1]	**Black (Professional mode, A4):** Up to 50 ppm; **Black (General Office mode, A4):** Up to 75 ppm; **Colour (Professional mode, A4):** Up to 50 ppm; **Colour (General Office mode, A4):** Up to 75 ppm; **Black Duplex (A4):** Up to 38 ipm; **Colour Duplex (A4):** Up to 25 ipm	
First page out[2]	**Black (A4, ready):** As fast as 7.1 sec; **Colour (A4, ready):** As fast as 7.3 sec	
Print technology	HP PageWide Technology with pigmented inks	
Print resolution	**Black (best):** Up to 1200 x 1200 optimized dpi (when printing from a computer on HP ColorLok paper, HP Premium Inkjet Presentation Paper Matte, and HP Inkjet Brochure Paper Matte and 600 x 600 input dpi); **Colour (best):** Up to 2400 x 1200 optimized dpi (when printing from a computer on HP Advanced Photo Papers and 600 x 600 input dpi)	
Print cartridges number	4 (1 each black, cyan, magenta, yellow)	
Standard print languages	HP PCL 6, HP PCL 5 (HP PCL 5 driver available from the Web only), HP Postscript Level 3 emulation, native PDF printing (v 1.4)	
Printer management	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Template, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCON.EXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager	
Connectivity		
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	
Mobile printing capability[3]	HP ePrint; Apple AirPrint™; Mopria-certified; Google Cloud Print 2.0	
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	Yes, Wireless 802.11b/g/n; NFC Interface
Memory	**Standard:** 1280 MB; **Maximum:** 2304 MB	
Hard disk	Not available	Standard, embedded HP High-Performance Secure Hard Disk, minimum 320 GB; 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[4]	Up to 80,000 pages; **Recommended monthly page volume:[5]** 2,000 to 7,500 pages	
Processor speed	1.2 GHz	
Paper handling		
Input	500-sheet input tray, 50-sheet multipurpose tray; **Optional:** 1x500-sheet tray 3; 3x500-sheet paper tray and stand	500-sheet input tray, 50-sheet multipurpose tray, 1x500-sheet tray 3; **Optional:** 3x500-sheet paper tray and stand (after removing Tray 3 included with printer)
Output	300-sheet face-down output bin	
Media type	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)	
Media weight	**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); **Optional 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); **Optional Tray 4:** 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); **Optional Tray 5:** 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)	
Media sizes custom	**Tray 1:** 76 x 127 to 216 x 356 mm; **Tray 2:** 102 x 210 to 216 x 297 mm; **Optional Tray 3:** 102 x 210 to 216 x 356 mm; **Optional Tray 4:** 102 x 210 to 216 x 356 mm; **Optional Tray 5:** 102 x 210 to 216 x 356 mm	
Dimensions (W x D x H)	530 x 463 x 457 mm (20.8 x 18.2 x 17.9 in)	530 x 463 x 597 mm (20.8 x 18.2 x 23.5 in)
Weight	22.2 kg (49 lb)	28.8 kg (64 lb)
What's in the box	HP Pagewide Enterprise Color 556dn; HP Setup Ink Cartridges (CMYK); Installation guide, Support flyer; Software drivers and documentation on CD-ROM; Power cord	HP PageWide Enterprise 556xh; HP Setup Ink Cartridges (CMYK); Installation guide, Support flyer; Software drivers and documentation on CD-ROM; Power cord
Warranty features	1-year Limited Warranty (Next Business Day On-Site)	
Systems		
Compatible operating systems	Windows OS compatible with In-Box Driver, Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows OS compatible with Universal Print Driver (From HP.com), Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from HP.com and Apple Store), OS X 10.9 Mavericks, OS X 10.10 Yosemite, OS X 10.11 El Capitan; Mobile OS (In-OS drivers) iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP, SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x); Other OS; UNIX	
Minimum system requirements	**PC:** CD-ROM or DVD drive, or Internet connection; dedicated USB or network connection or Wireless connection; 200 MB available hard disk space; (For OS hardware requirements see microsoft.com); **Mac:** Internet, USB, 1 GB available hard drive space; OS compatible hardware; (See Apple.com)	
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 hp.com/go/laserjetfonts	
Control panel	10.92 cm (4.3-in) Colour 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	
Power	**Power supply type:** Internal (Built-in) power supply; **Power supply required:** Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); **Power consumption:[6]** 52 watts (printing), 12 watts (ready), 6.3 watts (sleep), 0.3 watts (manual-off), 0.3 watts (auto-off/manual on)	
Software included	**For Windows OS:** HP Software Installer/Uninstaller, HP PCL 6 Printer Driver, HP Device Experience (DXP), HP Send Fax, HP Update, Product Registration Assist, HP Connected, Online user manuals; **For Mac OS:** Welcome screen directs users to HP.com or OS application source for printer software	
Acoustic	**Acoustic power emissions:** 6.9 B(A), printing colour simplex A4 at 50 ppm; **Acoustic pressure emissions:** 55 dB(A), printing colour simplex A4 at 50 ppm; **Acoustic power emissions (ready):** 3.5 B(A); **Acoustic pressure emissions (ready):** 17 B(A)	
Environmental ranges	**Operating temperature range:** 15 to 30° C (59 to 81° F); **Recommended operating temperature:** 15 to 30° C (59 to 81° F); **Non-operating humidity range:** 5 to 90% RH; **Operating humidity range:** 20 to 80% RH; **Recommended operating humidity range:** 20 to 60% RH	
Security management	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP- PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in; access port for Kensington-style lock	
Safety approvals and requirements	IEC 60950-1:2005 +A1:2009 +A2:2013; EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013 / +AC:2011; EN 62479:2010 / IEC 62479:2010; Compliance of IEC 60950-1 standard considers all country deviations according to the most recent IECEE CB Bulletin; UL/cUL Listed and UC CoC (US/Canada); GS Certificate (Germany, Europe); Low Voltage Directive 2006/95/EC with CE Mark (Europe)	
Supported network protocols	IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 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; Other: ePrint	

[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] Exact speed varies depending on the system configuration, software application, driver and document complexity.
[3] May require a firmware upgrade to be compatible, download at hp.com/go/support
[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] 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.

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