HP Color LaserJet Enterprise MFP 5800dn Printer



Powerfully compact. Extraordinarily efficient.

Transform your workflows with advanced capabilities in a compact footprint. From print speeds to colour panels¹⁰, get flexible configurations to meet your needs today and tomorrow. All while protecting your business against evolving cyber threats.



This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: http://www.hp.com/learn/ds



More than a printer, in a compact footprint

- Experience fast scanning speeds and ultimate productivity with up to 94 ipm¹ duplex scan technology.
- Fast print speeds of up to 43 ppm ² to help you get everything done faster.
- Easily enable workflows with a consistent user experience and intuitive, tablet-like icons on the 8-inch colour touchscreen display.
- Maximize your productivity and increase print performance with HP's powerful tri-core processor for copying, scanning, and printing.
- Maintain productivity and stay up-to-date on the latest features across your fleet with upgradeable HP FutureSmart firmware.³

Customisable and scalable solutions 8

- Get the functionality you need with unprecedented, flexible configurations built to order.
 Optimise your device to meet your business needs and your budget.
- Select the document feeding solution that works best for your team.
- Choose built-in storage options including HDD and SSD drives to handle data and documents stored on the device.

Fast and seamless digitisation

- Customise your print experience with cloud-connected HP Workpath apps. Access personalised content and integrate paper and digital workflows.⁴
- Give your team the tools to succeed with the HP Open Extensibility Platform containing hundreds of HP and third-party solutions, and card reader support.
- Make colour management simple with HP Custom Color Manager. Match colour output of any document-device combination by simply pulling colour profiles from the cloud. Get high-quality colour profiles without the hassle of expensive colour matching systems.⁹

Always on guard with HP Wolf Security

- With HP Sure Start always working behind the scenes, the operating code (BIOS) is automatically checked during start-up and repairs itself if compromised.
- HP Connection Inspector examines network connections. The printer's outgoing network
 connections are inspected to stop suspicious requests and thwart malware so you can stay
 connected and in the clear.
- Memory ShieldTM and expanded run-time intrusion detection protects memory and other
 applications. Common Criteria certified ⁶ to continually monitor memory activity, detect and
 stop zero-day attacks in real time [known/unknown] and self-heal.
- Minimise exposure with whitelisting checks, firmware that is automatically checked during start-up to determine if it's authentic code – digitally signed by HP.

Product walkaround

- 1. 100-sheet dual side ADF supports media sizes up to A4
- 2. 250-sheet output bin supports media sizes up to A4 $\,$
- 3. Automatic 2-sided printing
- 4. HP eMMC storage
- 5. Front door access to All-in-One toner cartridges
- 6. Slot for cable-type security lock
- 7. Super Speed USB 3.0 Host Port
- 8. Hi-Speed USB 2.0 Host Port
- 9. Gigabit Ethernet Port
- 10. Super Speed 3.0 device port
- 11. Long originals media sensor
- 12. 20.3 cm color touchscreen display
- 13. Easy-access USB port
- 14. Hardware Integration Pocket(for connecting accessories and third-party devices)
- 15. Power button
- 16. Right door access to the print path
- 17. 100-sheet multipurpose tray 1 supports media sizes up to A4
- 18. 550-sheet tray 2 supports media sizes up to A4



Series at a glance



Model	HP Color LaserJet Enterprise MFP 5800dn Printer	
Product number	6QN29A	
Functions	Print, copy, and scan (fax and wireless optional) (all models)	
Print speed	43 ppm (A4)	
Control panel	20.3 cm color touchscreen display	
Scan speed	Up to 47 ppm/94 ipm (simplex/duplex)	
RMPV	Up to 10,000 pages per month	
Input capacity	650/2,300 (std/max)	
Output capacity (standard)	250-sheets	
Processor	Tri-core 1.2 GHz	
Flow solutions	No	
Workpath enabled	Yes	
Extensibility	HP FutureSmart 5, OXPd	

Accessories, Supplies and Support

Supplies	527G1A HP Laser Jet 220V Fuser Kit 225,000 pages
Juhhusa	527G7A HP Laser Jet 220V Enhanced Fuser Kit 225,000 pages
	527G8A HP LaserJet Image Transfer Belt 225,000 pages
	527G9A HP LaserJet Image Transfer Belt 225,000 pages
	527H2A HP LaserJet Tray 2 Roller Kit 150,000 pages
	527H3A HP LaserJet MP Tray Roller Kit 150,000 pages 6H121A HP LaserJet ADF Maintenance Kit
	W2130A HP 213A Black Original LaserJet Toner Cartridge Average cartridge yields 3,500 standard pages. Declared yield value in accordance with ISO/IEC 19752
	W2130X HP 213X High Yield Black Original LaserJet Toner Cartridge Average cartridge yields 9,000 standard pages. Declared yield value in accordance with ISO/IEC 19752
	W2130Y HP 213Y Extra High Yield Black Original Laser Jet Toner Cartridge Average cartridge yields 18,000 standard pages. Declared yield value in accordance with ISO/IEC 19752
	W2131A HP 213A Cyan Original Laser Jet Toner Cartridge 3,000 standard pages in accordance with ISO/IEC 19752
	W2131X HP 213X High Yield Cyan Original LaserJet Toner Cartridge 6,000 standard pages in accordance with ISO/IEC 19752 W2131Y HP 213Y Extra High Yield Cyan Original LaserJet Toner Cartridge 12,000 standard pages in accordance with ISO/IEC 19752
	W2132A HP 213A Yellow Original Laser Jet Toner Cartridge 3,000 standard pages in accordance with ISO/IEC 19752
	W2132X HP 213X High Yield Yellow Original LaserJet Toner Cartridge 6,000 standard pages in accordance with ISO/IEC 19752
	W2132Y HP 213Y Extra High Yield Yellow Original Laser Jet Toner Cartridge 12,000 standard pages in accordance with ISO/IEC 19752
	W2133A HP 213A Magenta Original LaserJet Toner Cartridge 3,000 standard pages in accordance with ISO/IEC 19752 W2133X HP 213X High Yield Magenta Original LaserJet Toner Cartridge 6,000 standard pages in accordance with ISO/IEC 19752
	W2133/HP 213 Kingt near intigent on unjunit classification intige 0,000 standard pages in accordance with ISO/IEC 19752 W2133/HP 213 Kraft High Yield Magenta Original LaserJet Toner Cartridge 12,000 standard pages in accordance with ISO/IEC 19752
Accessories	1M0Q0A HP MFP Analog Fax 702 Accessory
	2NR12A HP Removable Hard Drive Enclosure
	2TD64A HP Accessibility Kit
	35H11A HP HID Mobile Access Mifare DES Fire Keystroking Reader
	3JN69A HP Jetdirect 3100w BLE/NFC/Wireless Accessory
	478C2A HP Printing Voice Assistant
	40L32A HP Legic Secure USB Reader
	4XN67A Internal USB Expansion Kit
	65A28A HP Color Laser Jet Constellation Yellow 550 sheet Paper Tray
	65A29A HP Color LaserJet Cosmic Green 550 sheet Paper Tray
	65A30A HP Color Laser Jet Aurora Purple 550 sheet Paper Tray
	65A31A HP Color LaserJet Comet Red 550 sheet Paper Tray
	65A32A HP Color LaserJet Lunar Gray 550 sheet Paper Tray
	65A38A HP Color Laser Jet Constellation Yellow Storage Stand
	65A39A HP Color LaserJet Cosmic Green Storage Stand
	65A40A HP Color Laser Jet Aurora Purple Storage Stand
	65A41A HP Color LaserJet Comet Red Storage Stand
	65A42A HP Color LaserJet Lunar Gray Storage Stand
	6QN54A HP Color LaserJet Stand
	6QN55A HP Color LaserJet Storage Stand
	60N57A HP Color LaserJet 550-sheet Media Tray
	766874 HP Laser Jet 512 GB SED-TAA Full Kit SSD
	8FP31A HP Jetdirect LAN Accessory
	9EQ11A HP 500GB CCC, FIPS Hard Disk Drive
	B5L31A HP Foreign Interface Harness X3D03A HP USB Universal Card Reader
	Y7C05A HP HIP2 Keystroke Reader
Service and Support	U4SQSE HP 3 year Next Business Day Service with Defective Media Retention for Color LaserJet Ent MFP 580x U4SQ6E HP 4 year Next Business Day Service with Media Retention for Color LaserJet Ent MFP 580x U4SQ7E HP 5 year Parts Only Service with Media Retention for Color LaserJet Ent MFP 580x U4SQ6E HP 3 year Parts Only Service with Defective Media Retention for Color LaserJetEntMFP580x U4SQHE HP 4 year Parts Only Service with Defective Media Retention for Color LaserJetEntMFP580x U4SQHE HP 5 year Parts Only Service with Defective Media Retention for Color LaserJetEntMFP580x U4SQHE HP 1 year Post Warranty Next Business Day Service with Defective Media Retention for Color LaserJetEntMFP580x U4SQSPE HP 1 year Post Warranty Parts Only Service with Defective Media Retention for Color LaserJetEntMFP580x

Technical specifications

	Linguis and the second of the
Model	HP Color LaserJet Enterprise MFP 5800dn Printer
Product number	6QN29A
Functions	Print, copy, scan, fax (optional)
Control panel	8.0 in (20.3 cm) touchscreen with colour graphics
Print	T.
Print technology Print speed ⁶	Laser Black (A4, normal): Up to 43 ppm Colour (A4, normal): Up to 43 ppm : Black (A4, duplex): Up to 43 ipm Colour (A4, duplex): Up to 43 ipm
First page out'	Black (A4, ready): As fast as 7.2 sec Colour (A4, ready): As fast as 7.9 sec; Black (A4, sleep): As fast as 7.9 sec Colour (A4, sleep): As fast as 8.6 sec Black (best): Up to 1,200 x 1,200 dpi Colour (best): Up to 1200 x 1200 dpi; Technology: HP ImageREt 3600, Enhanced (600x600 dpi), Fine Lines (1200x1200 dpi), Quickview
Print resolution	(300x300 dpi)
Monthly duty cycle	Up to 80,000 pages A4; Recommended monthly page volume: 2000 to 10000
Printer smart software features	Apple AirPrint™, Mopria-certified, Open Extensibility Platform, FutureSmart Firmware, Instant-on Technology, HP Auto-On/Auto-Off technology, Easy Access USB, Two-Sided Printing, Hardware Integration Pocket, Intuitive 8 in (20.3 cm) touchscreen control panel, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, print preview
Standard print languages	XPS, HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7)
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 World Type); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); Additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfonts
Print area	Print margins Top: 4.3 mm, Bottom: 4.3 mm, Left: 4.3 mm, Right: 4.3 mm; Maximum print area: 207.4 x 1191.4 mm
Duplex printing	Automatic
Сору	
Copy speed	Black (A4): Up to 43 cpm; Colour (A4): Up to 43 cpm
Copier specifications	Book Copy; Booklet; Build Job; Collation; Colour; Content orientation; Copy preview; Darkness control; Default Original Size; Edge Erase; Edge-to-Edge; ID Copy; Image adjustment; Job build; N or Z-ordering; Number of Copies; N-up; Original Size; Original Type; Paper Size; Paper Source; Paper type; Photo; Save Current Settings; Text; Text/Photo; Tray Selection; Two-sided copy; Watermark; reduce/enlarge; Scan mode (book, 2-sided ID); Stamps; Image overlay; Image shift; Image preview; Paper selection; Scan to job storage; Automatically strainghten; Automatically detect colour/monochrome; Maximum number of copies: Up to 9999 copies; Reduce/Enlarge: 25 to 400%
Scan	
Scan speed ¹⁰	Normal (A4): Up to 47 ppm/94 ipm (b&w), up to 47 ppm/94 ipm (colour) ;Duplex (A4): Up to 94 ipm (b&w), up to 94 ipm (colour)
Scan file format ¹¹	PDF; Hi-Compression PDF; PDFA; JPEG; TIFF; MTIFF; XPS
Scanner specifications	Scanner type Flatbed; ADF; Scan technology: Contact Image Sensor (CIS); Scan input modes: Front panel applications: Copy; Fax; Scan to Email; Scan to Network Folder; Scan to USB; Scan to Job Storage; Open Extensibility Platform (OXP), HP Workpath Applications; Twain version: Version 2.4; Duplex ADF scanning: Yes; Optical scan resolution: Up to 600 dpi
	Optimize to the interval language adjustmental lab builds Output quality cottings Colorable case years builds Output and a partification Plantage
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
Scannable area	suppression; HP Quick Sets Maximum media size (flatbed): 216 x 356 mm; Minimum media size (ADF): 68 x 127 mm Maximum media size (ADF): 216 x 864 mm
	suppression; HP Quick Sets
Scannable area Bit depth/ Grey scale levels	suppression; HP Quick Sets Maximum media size (flatbed): 216 x 356 mm; Minimum media size (ADF): 68 x 127 mm Maximum media size (ADF): 216 x 864 mm 24-bit / 256 Standard: Scan to Email; scan to network folder; scan to USB drive; scan to SharePoint; scan to FTP; scan to SFTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSL; automatically detect colour/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimise text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression;
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Scannable area Bit depth/ Grey scale levels Digital sending Fax Fax ⁴ Fax specifications Processor speed Connectivity Standard Optional Mobile printing capability Supported network protocols	Suppression; HP Quick Sets Maximum media size (flatbed): 216 x 356 mm; Minimum media size (ADF): 68 x 127 mm Maximum media size (ADF): 216 x 864 mm 24-bit / 256 Standard: Scan to Emait; scan to network folder; scan to USB drive; scan to SharePoint; scan to FTP; scan to SFTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSt; automatically detect colour/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimise text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten Optional, 33.6 kbps (with optional analog fax accessory) Fax memory: Up to 1000 pages; Fax resolution: Standard: 200 x 100 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi; Quick dialing: Up to 1000 numbers 1.2 GHz 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2) HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A Apple AirPrint™; Mopria™ Certified; NFC Touch-to-print (optional) Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, Google Cloud Print; DiSCOVERY: SLP, Bonjour, Web Services Discovery; IP CONFIG: IPv4 (BootP, DHCP, AutoIP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management, Firewall, ACL, 802.1x Yes, via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-T, 100Base-T, 2008ase-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet;
Scannable area Bit depth/ Grey scale levels Digital sending Fax Fax ⁴ Fax specifications Processor speed Connectivity Standard Optional Mobile printing capability Supported network protocols Network capabilities	Suppression; HP Quick Sets Maximum media size (flatbed): 216 x 356 mm; Minimum media size (ADF): 68 x 127 mm Maximum media size (ADF): 216 x 864 mm 24-bit / 256 Standard: Scan to Email; scan to network folder; scan to USB drive; scan to SharePoint; scan to FTP; scan to SFTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSL; automatically detect colour/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimise text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten Optional, 33.6 kbps (with optional analog fax accessory) Fax memory: Up to 1000 pages; Fax resolution: Standard: 200 x 100 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi; Quick dialing: Up to 1000 numbers 1.2 GHz 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2) HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A Apple AirPrint™; Mopria™ Certified; NFC Touch-to-print (optional) Via built-in networking solution: TCP/IP; IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, Google Cloud Print; DISCOVERY: SLP, Bonjour, Web Services Discovery; IP CONFIG: IPv4 (Boott, DHCP, AutoliP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6; Management: SNMPv2/S, HTTP/HTTPs, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x Yes, via HP Jetdirect Ethernet embedded print server (standard) supports: 108Bse-T, 1008Bse-T, 1008Bse-T, 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard); 802.11a/b/g/n wireless networking (optional)
Scannable area Bit depth/ Grey scale levels Digital sending Fax Fax ⁴ Fax specifications Processor speed Connectivity Standard Optional Mobile printing capability Supported network protocols Network capabilities Hard disk	suppression; HP Quick Sets Maximum media size (flatbed): 216 x 356 mm; Minimum media size (ADF): 68 x 127 mm Maximum media size (ADF): 216 x 864 mm 24-bit / 256 Standard: Scan to Email; scan to network folder; scan to USB drive; scan to SharePoint; scan to FTP; scan to FTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSL; automatically detect colour/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimise text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten Optional, 33.6 kbps (with optional analog fax accessory) Fax memory: Up to 1000 pages; Fax resolution: Standard: 200 x 100 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi; Quick dialing: Up to 1000 numbers 1.2 GHz 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HiP2) HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A Apple AirPrint**, Mopria** Certified; NFC Touch-to-print (optional) Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint**, Google Cloud Print; DISCOVERY; Sla Bonjour, Web Services Discovery; IP CONFIG: IPv4 (BootP, DHCP, AutoIP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPs, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x Yes, via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-T, 100Base-T, 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (Standard; 802.1134/b)/dn wireless networking (optional) Standard: 6 GB; Max
Scannable area Bit depth/ Grey scale levels Digital sending Fax Fax ⁴ Fax specifications Processor speed Connectivity Standard Optional Mobile printing capability Supported network protocols Network capabilities Hard disk Memory	Suppression; HP Quick Sets Maximum media size (flatbed): 216 x 356 mm; Minimum media size (ADF): 68 x 127 mm Maximum media size (ADF): 216 x 864 mm 24-bit / 256 Standard: Scan to Email; scan to network folder; scan to USB drive; scan to SharePoint; scan to FTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSt; automatically detect colour/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimise text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten Optional, 33.6 kbps (with optional analog fax accessory) Fax memory: Up to 1000 pages; Fax resolution: Standard: 200 x 100 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi; Quick dialing: Up to 1000 numbers 1.2 GHz 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2) HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A Apple Air Print™; Mopria™ Certified; NFC Touch-to-print (optional) Via built-in networking solution: TCP/R; IPv4, IPv6, Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple Air Print™, Google Cloud Print; DSCOVERY: SIB Bonjour, Web Services Discovery; IP CONNEG: IPv4 (Boorl) DHCP, AutolP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Route; Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPs, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x Yes, via HP Jetdirect Ethernet embedded print server (standard) supports: 108ase-T, 1008ase-T, 1008ase-T, 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard): 2 (Maximum: 6 GB Standard: 2 (Maximum: up to 5
Scannable area Bit depth/ Grey scale levels Digital sending Fax Fax ⁴ Fax specifications Processor speed Connectivity Standard Optional Mobile printing capability Supported network protocols Network capabilities Hard disk Memory Media handling	Suppression; HP Quick Sets Maximum media size (flatbed): 216 x 356 mm; Minimum media size (ADF): 68 x 127 mm Maximum media size (ADF): 216 x 864 mm 24-bit / 256 Standard: Scan to Email; scan to network folder; scan to USB drive; scan to SharePoint; scan to FTP; scan to SFTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSL; automatically detect colour/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimise text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten Optional, 33.6 kbps (with optional analog fax accessory) Fax memory: Up to 1000 pages; Fax resolution: Standard: 200 x 100 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi; Quick dialing: Up to 1000 numbers 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2) HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3.N69A; HP Jetdirect LAN Accessory 8FP31A Apple AirPrint™; Mopria™ Certified; NFC Touch-to-print (optional) Via buiti-in networking solution: TCPIP; IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, Google Cloud Print; DISCOVERY: SIR Bonjou; Web Services Discovery; IP CONFIG: IPv4 (BootP DHCR AutoIP Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPs, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management; Firewall, ACL, 802.1 x Ves, via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard; 802.11a/bq/m wireless networking) (optional) Standard: 2: Maximum: up to 5 Paper (plain,
Scannable area Bit depth/ Grey scale levels Digital sending Fax Fax Fax Faxspecifications Processor speed Connectivity Standard Optional Mobile printing capability Supported network protocols Network capabilities Hard disk Memory Media handling Number of paper trays	Suppression; HP Quick Sets Maximum media size (flatbed): 216 x 356 mm; Minimum media size (ADF): 68 x 127 mm Maximum media size (ADF): 216 x 864 mm 24-bit / 256 Standard: Scan to Email: scan to network folder: scan to USB drive: scan to SharePoint; scan to FTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSL; automatically detect colour/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimise text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten Optional, 33.6 kbps (with optional analog fax accessory) Fax memory. Up to 1000 pages; Fax resolution: Standard: 200 x 100 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi; Quick dialing: Up to 1000 numbers 1.2 GHz 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2) HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A Apple AirPrint™; Mopria™ Certified; NFC Touch-to-print (optional) Via built-in networking solution: TCP/IP jevd, IPvG; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, Google Cloud Print; DISCOVERY: SLP, Bonjour, Web Services Discovery; IP CONFIG: IPv4 (BootP, DHCP, AutoIP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPs), Management: SMPv2/A3, HTTP/HTTP-N; Tenet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management: Frewall, ACL, 802.1 x Ves, via HP Deldrirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-T, 100Base-T, 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard); 2 Maximum: up to 5 Paper (plain, light, intermediate, light bond, bond, recycled,
Scannable area Bit depth/ Grey scale levels Digital sending Fax Fax Fax Faxspecifications Processor speed Connectivity Standard Optional Mobile printing capability Supported network protocols Network capabilities Hard disk Memory Media handling Number of paper trays Media types	Suppression; HP Quick Sets
Scannable area Bit depth/ Grey scale levels Digital sending Fax Fax Fax Faxspecifications Processor speed Connectivity Standard Optional Mobile printing capability Supported network protocols Network capabilities Hard disk Memory Media handling Number of paper trays Media types Media size	suppression; HP Quick Sets Maximum media size (flatbed): 216 x 356 mm; Minimum media size (ADF): 68 x 127 mm Maximum media size (ADF): 216 x 864 mm 24-bit / 256 Standard: Scan to Email; scan to network folder; scan to USB drive; scan to SharePoint; scan to sFTP; scan to sFTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSL; automatically detect colour/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimise text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten Optional, 33.6 kbps (with optional analog fax accessory) Fax memory: Up to 1000 pages; Fax resolution: Standard: 200 x 100 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi; Quick dialing: Up to 1000 numbers 1.2 GHz 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host): 1 Hi-Speed USB 2.0 (host): 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2) 1 SuperSpeed USB 3.0 (device): 1 SuperSpeed USB 3.0 (host): 1 Hi-Speed USB 2.0 (host): 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2) 1 SuperSpeed USB 3.0 (device): 1 SuperSpeed USB 3.0 (host): 1 Hi-Speed USB 2.0 (host): 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2) 1 SuperSpeed USB 3.0 (device): 1 SuperSpeed USB 3.0 (host): 1 Hi-Speed USB 3.0 (host): 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2) 1 SuperSpeed USB 3.0 (device): 1 SuperSpeed USB 3.0 (host): 1 Hi-Speed USB 3.0 (host): 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2) 1 SuperSpeed USB 3.0 (device): 1 SuperSpeed USB 3.0 (host): 1 Hi-Speed USB 3.0 (host): 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd Gigabit Ethernet 10/100/1000T network;
Scannable area Bit depth/ Grey scale levels Digital sending Fax Fax Fax Fax specifications Processor speed Connectivity Standard Optional Mobile printing capability Supported network protocols Network capabilities Hard disk Memory Media handling Number of paper trays Media types Media size Media handling	Maximum media size (flabed): 216 x 356 mm; Minimum media size (ADF): 68 x 127 mm Maximum media size (ADF): 216 x 864 mm 24-bit / 256

Technical specifications

Model	HP Color LaserJet Enterprise MFP 5800dn Printer
Product number	6QNZ9A
Compatible operating systems	Windows 11; Windows 10; Windows Client OS; Android; iOS; Mobile OS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Linux; Citrix; Chrome OS
Compatible network operating systems	Windows Server; SAP; Novell; UNIX; Citrix; Linux
Minimum system requirements	Windows: 2 GB available hard disk space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see microsoft.com; Mac: 2 GB available hard drive space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see apple.com;
Software included	No software solutions are included in the Box only on http://hp.com http://123.hp.com;
Security management	Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; optional HP and 3rd 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; 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; Hardware-based Memory ShieldTM with Control Flow Integrity (CFI) in-device monitoring for attacks; SureStart Secure Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, EXEs,); Security management: Compatible with Device Security Syslog Messages processed and accessable in Arcsight and Splunk SIEMs
Printer management	HP Web JetAdmin; Embedded Web Server; HP Security Manager; HP Insights; HP Advance; HP Command Center; HP Smart Device Services (SDS)
Dimensions and weight	
Printer dimensions (W \times D \times H) ¹²	Minimum 500 x 460 x 583 mm; Maximum : 885 x 810 x 828 mm
Package dimensions (W x D x H)	598 x 758 x 652 mm
Printer weight	~38 kg
Package weight	~42.89 kg
Operating environment	Temperature: 10 to 32.5°C Humidity: 30 to 70% RH
Storage conditions	Temperature: -20 to 40°C
Acoustics	Acoustic power emissions: 6.3 B(A) Acoustic pressure emissions: 50 dB(A)
Power	Requirements: Input voltage: 100 to 127 VAC, 60 Hz, Input voltage: 200 to 240 VAC, 50 Hz (Not dual voltage, product varies by part number with # Option code identifier); Consumption: 655 watts (Printing/Copying), 50.1 watts (Ready), 0.9 watts (Sleep), 0.09 watts (Manual Off); Typical Electricity Consumption (TEC) ⁹ : 0.552 kWh/week (Energy Star 3.0); 0.551 kWh/week (Blue Angel); Power supply type: Built in 110V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier)
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology; Instant-on Copy
Certifications	UL/cUL (US/Canada); RCM (Australia); TUV and GS Mark (Germany); Department of Industrial Standards of Cambodia; Bureau of Standards, Metrology and Inspection Ministry of Economic Affairs - BSM (Taiwan); Certificate of China Compulsory Product Certification - CCC (China); Bureau of Indian Standards - BIS Registration (India); PSB (Singapore); Eastern European country approvals; CE Marking; Other Safety & EMC Certification approvals as required by individual countries. Electromagnetic emission standard: CISPR 22:2008 (International) - Class A; CISPR 32:2015 (International) - Class A; /EN 55032:2015+A11:2020 (EU) - Class A; CISPR 35:2016 (International); EN 55035:2017+A11:2020; EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019+A2:2021; FCC CFR 47 Part 15 Class A; ICES-003, Issue 7 Class A. Other EMC approvals as required by individual countries. CECP; IT ECO Declaration; Blue Angel SEPA; EPEAT® Gold registered; KOECO Blue Angel compliant® Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Sustainable impact specifications	5% post-consumer recycled plastic; ENERGY STAR® certified; EPEAT® registered
Country of origin	Made in Czech Republic
What's in the box ¹	6QN29A HP Color LaserJet Multifunction Printer; HP Black Original LaserJet Toner Cartridge (~7,000 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~3,000 yield each) (toner cartridges installed); Documentation (Hardware Install Guide); Power cord
Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region.

¹ Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. Measured using standards found at: http://standards.iso.org/ittf/PubliclyAvailableStandards/SC28_Test_Pages/² 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. ³ Some features enabled by future HP FutureSmart firmware upgrades may not be available on older devices, if for example, physical product characteristics limit the functionality of the new feature. ⁴ Not all MFPs may be compatible with Workpath apps. To enable HP Workpath, some devices may require optional accessory or firmware to be upgraded. Not all apps may be available in all locations. Subscription may be required. Personalised content and integration functions are applicable to supported HP Workpath apps only. ⁵ HP's most advanced embedded security features are available on HP Managed and Enterprise devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2022 published features of competitive in-class printers. Only HP offers a combination of security features to automatically detect, stop, and recover from attacks with a ner routesmant intrimeder 4-5 or above. Learn based on rier review or 2022 published reatures of a competitive in-class printers. Unly HP offers a combination of security features to automatically detect, stop, and recover from attacks with a self-healing rebook, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. For a list of compatible products, visit, the p.cm/go/printersThatProtect For more information, with the product information information information applicable to HP Managed and Enterprise devices running HP FutureSmart Firmware version 4.5.1 and later. For more information: https://www.commoncriteriaportal.org/likes/pfiles/certification Report - HP Intrusion Detection.pdf? HP Web Jetadmin is free and available for download at hp.com/go/webjetadmin 6° to learn more about configure to order options, contact your HP or Partner Representative. 9 Contact your HP or Partner Representative to learn more about Custom Color Manager. 10 This product comes with Atmosphere Blue (standard) panels. Panels in other colors (Constellation Yellow, Comet Red, Aurora Purple, Lunar Grey, Cosmic Green) are only available transactionally via HP Configure to Order, or contractually via Managed Print Services. Models offered in China have Lunar Grey (standard) instead of Atmosphere Blue. Please contact your HP or partner representative to learn more about customizable color panels.

Technical specifications disclaimers

Technical specifications discusineers

1 For yield information on the cartridge(s) included with your printer, see https://www.hp.com/go/toneryield. Yield values measured in accordance with ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see https://www.hp.com/go/toneryield. PEAT* registered where applicable. EPEAT registration varies by country. See https://www.epeat.net for registration status by country. Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory. See https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. Measured using ISO/IEC 24734, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. Measured using ISO/IEC 24734, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. Measured using ISO/IEC 17629. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. Measured using ISO/IEC 17629. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. Measured using ISO/IEC 24734, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. Measured using ISO/IEC 24734, excludes first set of test documents. For more information see https://www.hp.com/go/print

