



HP LaserJet Color Enterprise MFP 5800dn Printer

Brand : HP

Product family: LaserJet

Product code: 6QN29A#B19

Product name : Color LaserJet Enterprise MFP 5800dn Printer

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The most customisable HP A4 LaserJet, with advanced workflow solutions optimised for distributed office collaboration. 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.

Dynamic security enabled printer Certain HP printers are intended to work only with cartridges that have a new or reused HP chip or electronic circuitry. These printers use dynamic security measures to block cartridges using a non-HP chip or electronic circuitry. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. Reused HP chips and electronic circuitry enable the use of reused, remanufactured, and refilled cartridges.

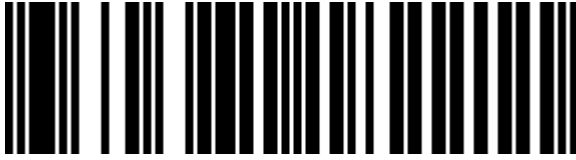


Printing		Network	
Duplex printing mode	Auto	Ethernet LAN data rates	10,100,1000 Mbit/s
Print resolution colour	1200 x 1200 DPI	Security algorithms	SNMPv3, SSL/TLS, EAP-PEAP, EAP-TLS, FIPS 140, HTTPS, IPSec
Print resolution black	1200 x 1200 DPI	Mobile printing technologies	Mopria Print Service, Apple AirPrint
Print technology *	Laser	Performance	
Printing *	Colour printing	Maximum internal memory	6144 MB
Duplex printing *	✓	Internal storage capacity	32 GB
Maximum resolution *	1200 x 1200 DPI	Storage media	SSD
Print speed (black, normal quality, A4/US Letter) *	43 ppm	Internal memory *	6144 MB
Print speed (colour, normal quality, A4/US Letter)	43 ppm	Built-in processor	✓
Warm-up time	140 s	Processor frequency	1200 MHz
Time to first page (black, normal)	7.2 s	Sound pressure level (printing)	50 dB
Time to first page (colour, normal)	7.9 s	Sound pressure level (scanning)	55 dB
Watermark printing	✓	Sound power level (printing)	6.3 dB
Secure printing	✓	Design	
Copying		Product colour *	White
Duplex copying *	✓	Market positioning *	Business
Duplex copying mode	Auto	Built-in display *	✓
Copying *	Colour copying	Display	CGD
Maximum copy resolution *	600 x 600 DPI	Display diagonal	20.3 cm (8")
Copy speed (black, normal quality, A4)	45 cpm	Control type	Touch
Copy speed (colour, normal quality, A4)	43 cpm	Colour display	✓
Time to first copy (black, normal)	5.5 s	Power	
		Power consumption (printing)	655 W

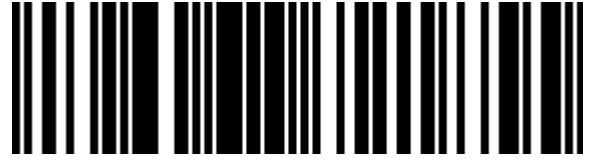
Copying		Power		
Time to first copy (colour, normal)	8.6 s	Power consumption (copying)	655 W	
Maximum number of copies	9999 copies	Power consumption (ready)	50.1 W	
Copier resize	25 - 400%	Power consumption (sleep)	0.9 W	
N-in-1 copy function	✓	Power consumption (off)	0.09 W	
Book copy function	✓	Energy Star Typical Electricity Consumption (TEC)	0.552 kWh/week	
ID-card copy function	✓	AC input voltage	100 - 240 V	
Auto fit function	✓	AC input frequency	50/60 Hz	
Edge erase function	✓	Brand-specific features		
Stamp function	✓	HP Auto-On/Auto-Off	✓	
Watermark copying	✓	HP Dynamic security	✓	
Scanning		<p>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 accessible in Arcsight and Splunk SIEMs</p> <p>(ABT) 196068721787; (ABY) 196068721794; (ACQ) 196068721831; (B13) 196068721848; (B19) 196068721855; (BAZ) 196068721862</p> <p>196068721787, 196068721794, 196068721831, 196068721848, 196068721855, 196068721862</p>		
Duplex scanning *	✓			
Duplex scanning mode	Auto			
Scanning *	Colour scanning			
Optical scanning resolution *	600 x 600 DPI			
Maximum scan resolution	600 x 600 DPI			
Maximum scan area	216 x 356 mm			
Scanner type *	Flatbed scanner			
Scan technology	CIS			
Scan to	Network folder, USB			
Scan speed (colour)	47 ppm			
Scan speed (black)	47 ppm			
Image formats supported	JPEG, MTIFF, TIFF			
Document formats supported	CSV, DOCX, HTML, PDF, RTF, UNICODE, XLSX, XML, XPS			
Input colour depth	24 bit			
Greyscale levels	256			
Scan drivers	TWAIN			
Fax				HP Security tools
Fax resolution (black)	300 x 300 DPI			
Fax transmission speed	3 sec/page			
Modem speed	33.6 Kbit/s			
Fax memory	1000 pages			
Auto-redialing	✓			
Speed dialling	✓			
Fax forwarding	✓			
Fax delayed sending	✗	HP GTIN (EAN/UPC) with options		
Auto reduction	✓			
Features		HP GTIN (EAN/UPC)		
Recommended duty cycle	2000 - 10000 pages per month			
Maximum duty cycle *	80000 pages per month			
Duplex functions *	Print			
Digital sender	✓			
Ink tank system	✗			
Number of print cartridges *	4			
Printing colours *	Black, Cyan, Magenta, Yellow			
Page description languages	PostScript 3, PDF 1.7, PCL 5c, XPS			
Printer fonts	Scalable, TrueType, Windows, PCL, PostScript			
All-In-One-multitasking	✓			
Country of origin	Czech Republic			
		System requirements		
		Windows operating systems supported	Windows 10, Windows 11	
		Mac operating systems supported	Mac OS X 10.15 Catalina, Mac OS X 10.15.3 Catalina, Mac OS X 11.0 Big Sur, Mac OS X 12.0 Monterey, MacOS	
		Other operating systems supported	ChromeOS, Android, iOS	
		Operational conditions		
		Operating relative humidity (H-H)	10 - 80%	
		Recommended humidity operating range	30 - 70%	
		Recommended operating temperature range (T-T)	15 - 27 °C	
		Storage temperature (T-T)	-20 - 40 °C	
		Operating temperature (T-T)	10 - 32.5 °C	

Features		Certificates	
Replacement cartridges	HP 213A Black Original LaserJet Toner Cartridge (~3,500 pages) W2130A; HP 213A Cyan Original LaserJet Toner Cartridge (~3,000 pages) W2131A; HP 213A Yellow Original LaserJet Toner Cartridge (~3,000 pages) W2132A; HP 213A Magenta Original LaserJet Toner Cartridge (~3,000 pages) W2133A; HP 213X High Yield Black Original LaserJet Toner Cartridge (~9,000 pages) W2130X; HP 213X High Yield Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2131X; HP 213X High Yield Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2132X; HP 213X High Yield Magenta Original LaserJet Toner Cartridge (~6,000 pages) W2133X; HP 213Y Extra High Yield Black Original LaserJet Toner Cartridge, (~18,000 pages) W2130Y; HP 213Y Extra High Yield Cyan Original LaserJet Toner Cartridge (~12,000 pages) W2131Y; HP 213Y Extra High Yield Yellow Original LaserJet Toner Cartridge (~12,000 pages) W2132Y; HP 213Y Extra High Yield Magenta Original LaserJet Toner Cartridge (~12,000 pages) W2133Y	Certification	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.
			Sustainability
HP segment	Business	Sustainability certificates	Blue Angel, ENERGY STAR, EPEAT Gold
			Sustainable technologies and materials
Input & output capacity		Carbon footprint	
Total number of input trays *	2	Total carbon footprint (kg of CO2e)	410
Total input capacity *	650 sheets	Carbon emissions, manufacturing (kg of CO2e)	327
Total output capacity *	250 sheets	Carbon emissions, logistics (kg of CO2e)	13
Paper tray 1 input capacity	100 sheets	Carbon emissions, end-of-life (kg of CO2e)	46
Paper tray 2 input capacity	550 sheets	Total carbon emissions, w/o use phase (kg of CO2e)	19
Multi-Purpose tray	✓	Weight & dimensions	
Multi-Purpose tray input capacity	100 sheets	Width	500 mm
Auto document feeder (ADF)	✓	Depth	460 mm
Auto document feeder (ADF) input capacity	100 sheets	Height	583 mm
Maximum number of input trays	5	Weight	38 kg
Maximum input capacity	2300 sheets	Packaging data	
Maximum output capacity	250 sheets	Package width	598 mm
Paper handling		Package depth	758 mm
Maximum ISO A-series paper size *	A4	Package height	652 mm
Maximum print size	207.4 x 1191.4 mm	Package weight	42.9 kg
Paper tray media types *	Plain paper, Glossy paper, Bond paper, Recycled paper, Envelopes, Card stock, Labels, Transparencies, Heavy paper, Lightweight paper, Rough paper, Letterhead	Packaging content	
		Cartridge(s) included	✓
ISO A-series sizes (A0...A9) *	A4, A5, A6	Included cartridge capacity (black)	7000 pages
ISO B-series sizes (B0...B9)	B5, B6	Included cartridge capacity (CMY)	3000 pages
ISO C-series sizes (C0...C9)	C5, C6	Cables included	AC
Non-ISO print media sizes	Oficio, 16K	Logistics data	
Envelopes sizes	B5, B6, C5, C6	Pallet gross weight	272.3 kg
Photo paper sizes	10x15 cm	Layers per pallet	3 pc(s)
Custom media width	64 - 216 mm	Products per pallet	6 pc(s)
Custom media length	127 - 1200 mm	Technical details	
Paper tray media weight	60 - 220 g/m ²	Box contents	HP Color LaserJet Multifunction Printer; HP Black Original LaserJet Toner Cartridge (1~7,000 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (1~3,000 yield each) (toner cartridges installed); Documentation (Hardware Install Guide); Power cord
Envelope feeder	No	Master (outer) cases per pallet layer 2 pcs(s)	
Ports & interfaces		Compliance certificates	CECP, GS mark, CCC, BIS, cUL, UL, CE, BSMI
Direct printing *	✓	General Product Safety Regulation (GPSR) URL	https://support.hp.com/gb-en/products/setup-user-guides/hp-color-laserjet-enterprise-mfp-5800dn-printer-series/model/2101004135?sku=60N29A : https://kaas.hpcloud.hp.com/pdf-public/pdf_4666361_en-US-1.pdf
USB port	✓	Other features	
		Number of users	15 user(s)
		Custom media sizes	Tray 1: 64 x 127 to 216 x 1200 mm; Tray 2, optional 1x550-sheet feeders: 101 x 148 to 216 x 356 mm
		Pallet dimensions (W x D x H)	800 x 1200 x 2083 mm
		Recommended system requirements	2 GB available hard disk space; Internet connection; or USB port; Internet browser. 2 GB available hard drive space; Internet connection; or USB port; Internet browser.

Ports & interfaces		Other features	
USB 2.0 ports quantity	1		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
USB 3.2 Gen 1 (3.1 Gen 1) ports quantity	2	Compatible operating systems	
Network		Pallet dimensions (W x D x H) (imperial)	800.1 x 1199.9 x 2083.1 mm (31.5 x 47.2 x 82")
Wi-Fi *	✗	Pallet weight (imperial)	271.8 kg (599.1 lbs)
Ethernet LAN *	✓	Acoustic power emissions (ready)	35 dB
Cabling technology	10/100/1000Base-T(X)	Acoustic pressure emissions bystander (ready)	20 dB
		Typical electricity consumption (TEC) number	0.552 kWh/week (Energy Star 3.0); 0.551 kWh/week (Blue Angel)
		UNSPSC-code	43212110
		Processor frequency	1.2 GHz
		Manufacturer warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements.
		Electromagnetic compatibility	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.



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