HP Color LaserJet Enterprise MFP 6800dn Printer





Brand : HP

Product family: Color LaserJet Enterprise

Product code: 6QN35A#B19

Product name : Color LaserJet Enterprise MFP 6800dn Printer

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HP Color LaserJet Enterprise MFP 6800dn Printer:

The most advanced and customisable HP A4 LaserJet, an advanced copier with workflow solutions to modernise workforce collaboration. Transform your workflows with advanced capabilities in a compact footprint. Customisable configurations from print speeds to colour panels[11] help to meet the needs of busy workgroups. All while protecting your business against evolving security 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	
Duplex printing mode	Auto
Print resolution colour	1200 x 1200 DPI
Print resolution black	1200 x 1200 DPI
Print technology *	Laser
Printing *	Colour printing
Duplex printing *	✔
Maximum resolution *	1200 x 1200 DPI
Print speed (black, normal quality, A4/US Letter) *	52 ppm
Print speed (colour, normal quality, A4/US Letter)	52 ppm
Time to first page (black, normal)	6.2 s
Time to first page (colour, normal)	6.8 s
Watermark printing	✔
Secure printing	✔
Booklet printing function	✔

Copying	
Duplex copying *	✔
Duplex copying mode	Auto
Copying *	Colour copying
Maximum copy resolution *	600 x 600 DPI
Maximum copy size	A4
Time to first copy (black, normal)	6.4 s

Network	
Security algorithms	SNMPv3, SSL/TLS, EAP-PEAP, EAP-TLS, FIPS 140, HTTPS, IPSec
Mobile printing technologies	Mopria Print Service, Apple AirPrint

Performance	
Maximum internal memory	6144 MB
Internal storage capacity	500 GB
Storage media	HDD
Card reader integrated	✘
Internal memory *	6144 MB
Built-in processor	✔
Processor frequency	1600 MHz
Sound pressure level (printing)	55 dB
Sound pressure level (scanning)	55 dB
Sound power level (printing)	6.6 dB

Design	
Product colour *	White
Market positioning *	Business
Built-in display *	✔
Display	CGD
Display diagonal	20.3 cm (8")
Control type	Touch
Colour display	✔

Copying	
Time to first copy (colour, normal)	7.1 s
Maximum number of copies	9999 copies
Copier resize	25 - 400%
N-in-1 copy function	✔
Book copy function	✔
ID-card copy function	✔
Auto fit function	✔
Edge erase function	✔
Stamp function	✔
Watermark copying	✔

Scanning	
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/CCD
Scan to	Network folder, USB
Scan speed (colour)	76 ppm
Scan speed (black)	76 ppm
Duplex scan speed (colour)	152 ppm
Duplex scan speed (black)	152 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	
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	✘
Auto reduction	✔

Features	
Recommended duty cycle	2000 - 14000 pages per month
Maximum duty cycle *	100000 pages per month
Duplex functions *	Print
Digital sender	✔
Number of print cartridges *	4
Printing colours *	Black, Cyan, Magenta, Yellow
Page description languages	PostScript 3, PDF 1.7, URF, PCL 5c
Printer fonts	Scalable, TrueType, Windows, PCL, PostScript
All-In-One-multitasking	✔
Country of origin	Czech Republic

Power	
Power consumption (PowerSave)	0.1 W
Power consumption (printing)	717 W
Power consumption (copying)	717 W
Power consumption (ready)	63.4 W
Power consumption (sleep)	1.1 W
Power consumption (off)	0.1 W
Energy Star Typical Electricity Consumption (TEC)	0.709 kWh/week
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz

Brand-specific features	
HP Auto-On/Auto-Off	✔
HP Dynamic security	✔
HP Security tools	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
HP GTIN (EAN/UPC) with options	(ABT) 196068586843; (ABY) 196068586850; (ACQ) 196068586898; (B13) 196068586911; (B19) 196068586928; (BAZ) 196068586942
HP GTIN (EAN/UPC)	196068586843, 196068586850, 196068586898, 196068586911, 196068586928, 196068586942

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
Linux operating systems supported	✔
Mobile operating systems supported	Android
Other operating systems supported	ChromeOS, Android, iOS

Operational conditions	
Operating relative humidity (H-H)	10 - 80%
Recommended humidity operating range	30 - 70%

Features

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; HP 217Z Ultra Yield Black Original LaserJet Toner Cartridge (~32,000 pages) W2170Z; HP 217Z Ultra Yield Cyan Original LaserJet Toner Cartridge (~24,000 pages) W2171Z; HP 217Z Ultra Yield Yellow Original LaserJet Toner Cartridge (~24,000 pages) W2172Z; HP 217Z Ultra Yield Magenta Original LaserJet Toner Cartridge (~24,000 pages) W2173Z
HP segment	Business

Input & output capacity

Total number of input trays *	2
Total input capacity *	650 sheets
Total output capacity *	500 sheets
Paper tray 1 input capacity	100 sheets
Paper tray 2 input capacity	550 sheets
Multi-Purpose tray	✔
Multi-Purpose tray input capacity	100 sheets
Auto document feeder (ADF)	✔
Auto document feeder (ADF) input capacity	150 sheets
Maximum number of input trays	5
Maximum input capacity	3300 sheets
Maximum output capacity	500 sheets

Paper handling

Maximum ISO A-series paper size *	A4
Maximum print size	207.4 x 1191.4 mm
Paper tray media types *	Plain paper, Glossy paper, Bond paper, Recycled paper, Envelopes, Card stock, Labels, Transparencies, Heavy paper, Lightweight paper, Rough paper, Letterhead
ISO A-series sizes (A0...A9) *	A4, A5, A6
ISO B-series sizes (B0...B9)	B5, B6
ISO C-series sizes (C0...C9)	C5, C6
Non-ISO print media sizes	Oficio, 16K
Envelopes sizes	B5, B6, C5, C6
Photo paper sizes	10x15 cm
Custom media width	64 - 216 mm

Operational conditions

Recommended operating temperature range (T-T)	15 - 27 °C
Storage temperature (T-T)	-20 - 40 °C
Operating temperature (T-T)	10 - 32.5 °C

Certificates

Certification	CISPR 22:2008 (International) Class A, CISPR 32:2015 (International) Class A / EN 55032:2015 Class A + A11:2020, 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 47 CFR Part 15 Class A, ICES-003, Issue 7 Class A. Other EMC approvals as required by individual countries.

Sustainability

Sustainability compliance	✔
Sustainability certificates	Blue Angel, ENERGY STAR, EPEAT Gold
Sustainable technologies and materials	15% post-consumer recycled plastic; ENERGY STAR® certified; EPEAT® registered

Carbon footprint

Total carbon footprint (kg of CO2e)	370
Carbon emissions, manufacturing (kg of CO2e)	306
Carbon emissions, logistics (kg of CO2e)	10
Carbon emissions, end-of-life (kg of CO2e)	35
Total carbon emissions, w/o use phase (kg of CO2e)	23

Weight & dimensions

Width	500 mm
Depth	460 mm
Height	651 mm
Weight	42.2 kg

Packaging data

Package width	598 mm
Package depth	798 mm
Package height	680 mm
Package weight	46.2 kg

Packaging content

Cartridge(s) included	✔
Included cartridge capacity (black)	9000 pages
Included cartridge capacity (CMY)	6000 pages
Cables included	AC

Logistics data

Pallet gross weight	292.2 kg
Layers per pallet	3 pc(s)
Products per pallet	6 pc(s)

Technical details

Box contents	HP Color LaserJet Enterprise MFP 6800dn Printer; HP Black Original LaserJet Toner Cartridge (~9,000 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~6,000 yield each) (toner cartridges installed); Documentation (Hardware Install Guide); Power cord
Master (outer) cases per pallet layer	2 pc(s)
Compliance certificates	CECP, GS mark, CCC, BIS, cUL, UL, CE, BSMI
General Product Safety Regulation (GPSR) URL	https://support.hp.com/gb-en/product/setup-user-guides/hp-color-laserjet-enterprise-mfp-6800dn-printer-series/model/21009985447sku=6QN35A&serialnumber=6QN35A ; https://kaas.hpcloud.hp.com/pdf-public/pdf_4614055_en-US-1.pdf

Other features

Number of users	30 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; optional 2,100-sheet high-capacity feeder: custom sizes not supported in this tray

Paper handling	
Custom media length	127 - 1200 mm
Paper tray media weight	60 - 220 g/m²
Multi-Purpose Tray media weight	45 - 199 g/m²
Envelope feeder	No

Ports & interfaces	
Direct printing *	✔
USB port	✔
USB 2.0 ports quantity	1
USB 3.2 Gen 1 (3.1 Gen 1) ports quantity	2

Network	
Wi-Fi *	✘
Ethernet LAN *	✔
Cabling technology	10/100/1000Base-T(X)
Ethernet LAN data rates	10,100,1000 Mbit/s

Other features	
Pallet dimensions (W x D x H)	800 x 1200 x 2167 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.
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
Pallet dimensions (W x D x H) (imperial)	800.1 x 1199.9 x 2166.9 mm (31.5 x 47.2 x 85.3")
Pallet weight (imperial)	291.6 kg (642.8 lbs)
Acoustic power emissions (ready)	34 dB
Acoustic pressure emissions bystander (ready)	20 dB
Typical electricity consumption (TEC) number	0.709 kWh/week (Energy Star 3.0); 0.659 kWh/week (Blue Angel)
UNSPSC-code	43212110
Processor frequency	1.6 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 Class A + A11:2020, 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 47 CFR Part 15 Class A, ICES-003, Issue 7 Class A. Other EMC approvals as required by individual countries.



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