



HP LaserJet Enterprise MFP 5601dn Printer (A29Z5A)



Overview

The powerful A4 enterprise printer for small teams

Simplify document workflows with blazing-fast speeds and customizable features. Seamlessly integrates with your existing fleet, scales for the future, and delivers industry-leading security to safeguard your data.

Get the power to be more productive

Save time with fast automatic 2-sided scanning up to 80 ipm and print speeds up to 52 ppm to power through your tasks.[2]

Protect what matters with the most secure printer[1]

Keep your work protected—HP Wolf silently detects and repairs your printer from cyberattacks.[1]

Simplify work with automated workflows

Save energy and help reduce waste

Reduce costs and environmental impact with printers and toner cartridges that use less energy.[7]

Features



Save time and deliver print projects quickly with speeds up to 52 ppm.[2]



Work fast and hands-free—50-page feeder lets you scan and copy multiple pages.



Easily connect your printer via reliable Ethernet or Hi-Speed USB.



Protect your network with quantum-resistant security against cyberthreats.[6]



HP Security Manager enforces policies and monitors your fleet.[4]



Keep your business ahead—this printer evolves with updates and new features.[3]

[1] 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 published features as of June 2025 of competitive in-class printers. Only HP offers a combination of security features to automatically detect, isolate, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. Printers are most vulnerable to attack when they are booting up and during runtime (when the printer is in sleep mode and in use). Only HP Enterprise printers protect the device during 100% of the printer's life with Sure Start BIOS protection, Memory Shield with hardware-based Runtime Intrusion Detection and Control Flow Integrity to detect and recover from zero-day threats in addition to Connection Inspector network behavioral anomaly detection all with self-healing recovery. For a list of compatible products, visit hp.com/go/PrintersThatProtect For more information, visit hp.com/go/PrinterSecurityClaims.

[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.

[7] Energy reduction in HP LaserJet Enterprise 5501-5502 and 5601-5602 with HP Original 159 TerraJet Toner Cartridges compared to predecessor HP LaserJet Enterprise M507 and M528 with HP Original 89 Toner Cartridges.

Specifications

Print Resolution Technologies	Normal (600 x 600 dpi with FastRes), Fine Lines (1200 x 1200 dpi), Quickview (300 x 300 dpi)
Print Resolution Black (best)	Up to 1200 x 1200 dpi
Print Speed Black (normal, A4)	Up to 50 ppm
Print Speed Black (normal, letter)	Up to 52 ppm
Print Speed	Up to 52 ppm (black)
Print Margin Bottom (A4)	4.23 mm
Print Margin Left (A4)	4.23 mm
Print Margin Right (A4)	4.23 mm
Print Margin Top (A4)	4.23 mm
AIO Functions	Print, copy, scan and optional fax
Duplex Print Options	Automatic (standard)
Duty Cycle (monthly, A4)	Up to 150,000 pages
Duty Cycle (monthly, letter)	Up to 150,000 pages ^[17]
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, 4.3 in touchscreen control panel, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, print preview
Copier Smart Software Features	Auto scale; Reduce/enlarge from scanner glass (25 to 400 percent); Collate; Auto color detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build
Fax Smart Software Features	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule
Energy Savings Feature Technology	HP Auto-Off Technology; Instant-on Technology; Instant-on Copy; TerraJet Toner
Replacement Cartridges	HP 159A Black Original LaserJet Toner Cartridge (~5,000 pages) W1590A; HP 159X High Yield Black Original LaserJet Toner Cartridge (~10,000 pages) W1590X; HP 159Y Extra High Yield Black Original LaserJet Toner Cartridge (26,000 pages) W1590Y.
Supplies Feature	HP TerraJet Cartridge
Connectivity, Std	1 Hi-Speed USB 2.0 (device); 2 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000 Base-T network; 1 Hardware Integration Pocket 2nd generation (HIP2)
Connectivity, Opt	HP Jetdirect 3200w WiFi 6 Bluetooth Wireless Accessory 9R1U0A; HP Jetdirect LAN Accessory 8FP31A; HP LJ MFP Analog Fax Accessory
Modem	Optional

Network Capabilities	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); WiFi 2.4/5 GHz wireless networking (optional); Second Ethernet port (optional); Microsoft Universal Print (MUP) support
Wireless Capability	Optional, with wireless hardware accessory. Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3200w WiFi 6 Bluetooth Wireless Accessory 9R1U0A.
Mobile Printing Capability	Apple AirPrint™; Mopria™ certified
Supported Network Protocols	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™, HP ePrint, FTP Print, 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: SNMPv2/v3, HTTP/HTTPS, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x
Software Included	No software solutions are included in the Box only on http://hp.com
Compatible Operating Systems	Windows 11 (64-bit and ARM64); Windows 10 (32-bit, 64-bit and ARM64); Android; iOS; macOS 14 Sonoma; macOS 15 Sequoia; macOS Tahoe v26; Linux: Debian 10; Linux: Debian 11; Linux: Elementary 6P; Linux: Fedora 31; Linux: Fedora 32; Linux: Fedora 33; Linux: Fedora 34; Linux: Fedora 35; Linux: Linuxmint 20.1; Linux: Linuxmint 20.2; Linux: ManjaroLinux 20.2; Linux: ManjaroLinux 21.0.7; Linux: Mxlinux 21; Linux: OpenSuse 15.1; Linux: OpenSuse 15.2; Linux: OpenSuse 15.3; Linux: Rhel 6; Linux: Rhel 7; Linux: Rhel 8; Linux: Ubuntu 20.04; Linux: Ubuntu 20.10; Linux: Ubuntu 21.04; Linux: Ubuntu 21.10; Linux: Zorin 15; Linux: Zorin 16; Chrome OS ^[11] <i>([11] Citrix Server versions updates release every quarter, for updates see https://www.citrix.com/en-in/downloads/citrix-virtual-apps-and-desktops/ ; Citrix XenApp & XenDesktop versions updates release every quarter, for updates see https://www.citrix.com/en-in/downloads/citrix-virtual-apps-and-desktops/ ; Citrix Ready Kit Certification - see http://citrixready.citrix.com for the latest qualification for HP Printers)</i>
Technical Features	Automatic document feeder; Automatic 2-sided printing; Made with recycled plastic; ENERGY STAR®; Network printing; Fast first page out; HP Auto-on/Auto-off; TerraJet Toner; Touchscreen; Optional Fax; Cloud-based fleet management; Compact size
Sustainability Specifications	Recyclable through HP Planet Partners; Contains at least 5% post-consumer recycled plastic
Energy Star Certified	Yes
Ecolabels (fixed)	CECP; IT ECO Declaration; Blue Angel; EPEAT® Gold India; EPEAT® Gold Australia; EPEAT® Gold Canada; EPEAT® Gold US; ENERGY STAR® certified; SEPA; KOECO; Korea MEPS; Vietnam MEPS ^[8]
Blue Angel Compliance	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Copy Speed Black (normal A4)	Up to 50 ppm
Copy Speed Black (normal, letter)	Up to 52 ppm
Copy Speed Black Duplex (A4)	Up to 41 ipm
Copy Speed Black Duplex (Letter)	Up to 43 ipm

Digital Sending Standard Features	Scan to OneDrive; scan to Job Storage; scan to email; scan to network folder; scan to USB drive; scan to FTP; scan to fax; local address book; automatically detect color/mono; high compression pdf; image adjustments (darkness, contrast, background cleanup, sharpness); optimize text/picture; content orientation; scan mode (book, 2-sided); erase edges, auto page crop; job build; image preview; blank page suppression; automatically straighten
Fax Resolution Black (best)	Up to 300 x 300 dpi
Fax	Optional
Scan Speed (normal, A4)	Up to 38 ppm/76 ipm (b&w), up to 31 ppm/62 ipm (color)
Scan Speed (normal, letter)	Up to 40 ppm/80 ipm (b&w), up to 33 ppm/66 ipm (color)
Scan File Format	JPEG; TIFF; MTIFF; XPS; PDF; PDF/A; High-Compression PDF; High-Compression PDF/A; Searchable PDF (OCR); Searchable PDF/A (OCR); High-Compression Searchable PDF (OCR); High-Compression Searchable PDF/A (OCR) ^[5]
Scan Input Modes	Front panel applications: Copy, E-mail, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (OXP) applications
Scan Technology	Contact Image Sensor (CIS)
Scan Type	Flatbed, ADF
Display Area (imperial)	3.74 x 2.32 in
Display Area (metric)	95.04 x 53.86 mm
Display Description	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen
Product Dimensions (metric)	420 x 400 x 455 mm
Product Dimensions (imperial)	16.5 x 15.7 x 17.9 in
Weight (metric)	~17.2 kg ^[12] ([12] With print cartridges.)
Weight (imperial)	~38.0 lb ([12] With print cartridges.)
Power Consumption Description	704.5 watts (Printing), 18.7 watts (Ready), 0.71 watts (Sleep), 0.02 watts (Auto-Off), 0.02 watts (Off) ^[7] ([7] Power consumption values based on measurement of 115 V device. 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 Supply Type	Built-in 3-Pin 115V or 220V Internal Power Supply
What Is In The Box	HP LaserJet Enterprise MFP 5601dn; HP Original LaserJet Introductory Toner Cartridge (~6,000 pages); Regulatory flyer; Unpack flyer; Installation Guide; Power cord; Warranty Cards
Manufacturer Warranty	One-year, onsite warranty service. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. (warranty code 4G; warranty ID A001)

Additional specifications

ADF Capacity (filter)	50
Acoustic Power Emissions (active scan)	6.8 B(A)
Acoustic Power Emissions (active, printing)	6.9 B(A)
Acoustic Power Emissions (ready)	3.5 B(A)
Acoustic Power Note	[19] Active Printing measured on worse case bundle/mode, printing A4 simplex at 50 ppm. Active Scan measured on worse case bundle/mode, scanning A4 Mono Simplex to USB storage at 43 ppm.
Acoustic Pressure Emissions Bystander (active scan)	52 dB(A)
Acoustic Pressure Emissions Bystander (active, printing)	54 dB(A)
Acoustic Pressure Emissions Bystander (ready)	14 dB(A)
Auto Document Feeder Capacity	Standard, 50 sheets ^[4]
Auto Document Feeder Capacity Footnote	[4] 75 gms
Auto Fax Reduction Supported	Yes
Automatic Paper Sensor	No
Bit Depth	24-bit
Blue Angel Footnote	[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 115 V device and 230 V for Blue Angel.
Cartons Per Layer	4
Certifications and Compliances	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 - BSMI (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.
Color Scanning	Yes
Color or Black (filter)	Black and white
Compatible Network Operating Systems	Citrix; SAP; Windows Server 2016 64-bit; Windows Server 2019 64-bit; Windows Server 2022 64-bit; Windows Server 2025 64-bit
Control Panel	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display
Copier Reduce/enlarge	25 to 400%
Copier Scaling (ADF)	25 to 200%

Copier Settings	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); N-up; N or Z-ordering; content orientation; collation; booklet; job build; edge-to-edge job storage; ID Copy; Book Copy; A-to-B Copy (different media sizes)
Copy Resolution, Black Text	Up to 600 x 600 dpi
Copy Resolution, Color Text and Graphics	Up to 600 x 600 dpi
Copy Speed Note	[6] First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, 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 and document complexity.
Count of Layers In Pallet	3
Distinctive Ring Detection Supported	No
Downloadable Software	Product Documentation and Support; HP Mac OS Print Driver; HP Easy Admin ; HP Universal Fax Driver; HP Universal Scan Solution; Printer Administrator Resource Kit (Driver Configuration; HP Universal Print Drivers PCL6 GDI & PS GDI for Windows; SAP Print Drivers for more information; HP JetAdvantage Security Manager; HP Command Center; Chrome Extension; Available on https://support.hp.com unless noted; HP Insights (WXP); HP WebJetAdmin; HP Workpath HPLIP Linux Printer Driver for more information see http://hplipopensource.com/hplip-web/index.html ; HPX
Driver Updates	Current HP printer drivers and software can be obtained from the HP Customer Care Web site; (1) Go to http://www.hp.com/support/ (country/region may need to be selected); (2) Select “Support”; (3) Select “Software and Drivers”; (4) Select “Printer”; (5) Enter a product name/number (the operating system is automatically detected); (6) Select a driver or other software; (7) Select “Download” for the software desired
Duplex ADF Scanning	Yes, single pass duplex scanning
Duty Cycle Note	[17] 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.
Dynamic security	Dynamic security enabled printer
Ecolabels Footnote	[8] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country. ENERGY STAR and the ENERGY STAR logo are registered U.S. marks.
Electromagnetic Emission Standard	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 + A11:2021, EN IEC 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.
Envelope Feeder	Yes, 50 (optional)
FCC Class A Emissions	FCC Class A emissions - for use in commercial environments, not residential environments

Fax Auto-redialing	Yes
Fax Broadcasting, Max Locations	0
Fax Delayed Sending	No
Fax Forwarding Supported	Yes (with optional analog fax accessory)
Fax Memory (A4)	Up to 1000 pages
Fax Memory (letter)	Up to 1000 pages
Fax Phone TAM Interface Supported	No
Fax Polling Supported	Yes (poll to receive only)
Fax Resolution Black (standard)	200 x 100 dpi
Fax Resolution Black Photo Grayscale	300 x 300 dpi (halftone)
Fax Resolution Black and White (fine)	Up to 203 x 196 dpi
Fax Resolution Black and White (superfine)	Up to 300 x 300 dpi
Fax Speed	33.6 kbps (maximum); 14.4 kbps (default)
Fax Speed (letter)	5 sec per page ^[13]
Fax Speed Dialing, Max Numbers	Up to 1000 numbers
Fax Speed Footnote	[13] Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.
Fax Telephone Mode Supported	No
File Formats	JPEG; TIFF; MTIFF; PDF; PDF/A; XPS; High-Compression PDF
First Copy Out Black (A4)	As fast as 5.6 sec
First Copy Out Black (A4, sleep)	As fast as 8.2 sec
First Copy Out Black (letter)	As fast as 5.5 sec
First Copy Out Black (letter, sleep)	As fast as 8.1 sec
First Page Out Black (A4, ready)	As fast as 4.1 sec
First Page Out Black (A4, sleep)	As fast as 8.4 sec
First Page Out Black (letter, ready)	As fast as 4.0 sec
First Page Out Black (letter, sleep)	As fast as 8.3 sec
First Page Out, Footnote	[16] Device first page out time based on HP internal measurement of printer activation until page exit. Measurement based on industry-standard ISO/IEC 17629 can be found at http://www.hp.com/go/printerclaims . Exact speed varies depending on the system configuration, software application, driver, and document complexity.

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 information available in the user guide and documentation for this printer model at http://www.hp.com/support .
Grayscale Levels	256
In Box Cable	No, please purchase USB cable separately
Input Capacity, Max	Up to 2300 sheets
Input Capacity, Max, Envelopes	Up to 60 envelopes (MP Tray: 10mm, ~10 envelopes; ENV FDR Tray: 45mm, ~50 envelopes)
Input Capacity, Std	Up to 650 sheets
Junk Barrier Supported	Yes, up to 30 numbers may be blocked
Key Media Sizes Supported (imperial)	4 x 6 in; Letter; Legal; Envelopes
Key Media Sizes Supported (metric)	A4; Envelopes; A5; 10 x 15 cm
Mac Compatible	Yes
Max Dimensions (imperial)	16.5 x 25.6 x 27.8 in (control panel fully out, rear jam access door open, front cartridge door open, all feeders open and extended, ISA open)
Max Dimensions (metric)	420 x 650 x 705 mm (control panel fully out, rear jam access door open, front cartridge door open, all feeders open and extended, ISA open)
Max Number Of Copies	Up to 9999 copies
Maximum Memory	4 GB
Maximum Metric Depth (filter)	650
Maximum Metric Height (filter)	705
Maximum Metric Width (filter)	420
Media Handling, Document Finishing	Sheet feed; Main Tray: Stacking
Media Size, ADF	Letter; legal; oficio; executive; statement; 16K; A4; RA4; A5; A6; B5; B6 (JIS); Postcard (JIS); DPostcard (JIS); 4 x 6 in; 5 x 7 in; 5 x 8 in
Media Size, Tray 1 (metric)	A4; A5; A6; RA4; B5 (JIS); B6 (JIS); 10 x 15 cm; Oficio (216 x 340); 16K; postcards (JIS single and double); envelopes (B5, C5, C6, DL); 76 x 127 to 216 x 356 mm
Media Size, Tray 2 (metric)	A4; A5; A6; RA4; B5 (JIS); B6 (JIS); Oficio (216 x 340); 16K; postcards (JIS double); 105 x 148 to 216 x 356 mm
Media Size, Tray 3 (metric)	Standard Optional Paper Feeder: A4; A5; A6; RA4; B5 (JIS); B6 (JIS); Oficio (216 x 340); 16K; postcards (JIS double); 105 x 148 to 216 x 356 mm; Envelope Feeder Accessory: Envelopes; 98 x 162 to 178 x 254 mm
Media Sizes Custom (imperial)	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.14 x 5.83 to 8.5 x 14 in; Optional 550-sheet Tray: 4.14 x 5.83 to 8.5 x 14 in; Envelope Feeder Accessory: 3.86 x 6.38 to 7 x 10 in

Media Sizes Custom (metric)	Tray 1: 76.2 x 127 to 216 x 356 mm; Tray 2: 105 x 148 to 216 x 356 mm; Optional 550-sheet Tray: 105 x 148 to 216 x 356 mm; Envelope Feeder Accessory: 98 x 162 to 178 x 254 mm
Media Type and Capacity ADF	Sheets: 100, 75 g/m ²
Media Type and Capacity Tray 1	Sheets: 100; Envelopes: 10
Media Type and Capacity Tray 2	Sheets: 550; Labels: Up to 500
Media Type and Capacity Tray 3	Sheets: 550; Envelope Accessory Tray: 50 Envelopes
Media Types	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined
Media Weights Supported, ADF (imperial)	12 to 53 lb
Media Weights Supported, ADF (metric)	45 to 200 g/m ²
Media Weights Supported, By Paper Path (Imperial)	Feeder 1: 16 to 53 lb bond (plain), 16 to 24 lb (envelopes); Feeder 2: 16 to 32 lb bond (plain); Automatic Duplexer: 16 to 32 lb
Media Weights Supported, By Paper Path (metric)	Feeder 1: 60 to 200 g/m ² ; Feeder 2: 60 to 120 g/m ² ; Automatic Duplexer: 60 to 120 g/m ²
Media Weights Supported, Tray 1 (metric)	60 to 200 g/m ²
Media Weights Supported, Tray 2 (metric)	60 to 120 g/m ²
Media Weights Supported, Tray 3 (metric)	60 to 120 g/m ²
Metric Depth (filter)	405
Metric Height (filter)	455
Metric Width (filter)	420
Model Number	5601dn
Number of Simultaneous Users (local + network)	5-15 Users
Operating Humidity Range	10 to 80% RH
Operating Humidity Range (recommended)	30 to 70% RH
Operating Temperature Range (celsius)	10 to 32.5°C
Operating Temperature Range (fahrenheit)	50 to 90.5°F
Operating Temperature Range (recommended celsius)	15 to 27°C
Operating Temperature Range (recommended fahrenheit)	59 to 80.6°F
Orderable Supplies	HP LaserJet Transfer Roller Kit C35T5A; HP LaserJet Tray 2 Roller Kit C35T6A
Output Capacity, Max	Up to 250 sheets

Output Capacity, Std	Up to 250 sheets
Output Capacity, Std, Envelopes	Up to 30 envelopes
Output Capacity, Std, Transparencies	Up to 100 sheets
PC Interface Supported	Yes
Package Dimensions (imperial)	23.5 x 21.6 x 24.8 in
Package Dimensions (metric)	598 x 548 x 629 mm
Package Weight (imperial)	52.25 lbs
Package Weight (metric)	23.75 kg
Page Yield (set-up/inbox cartridges)	~6,000 pages black
Pallet Dimensions (imperial)	47.2 x 43.3 x 83.3 in
Pallet Dimensions (metric)	1200 x 1100 x 2116 mm
Pallet Weight (imperial)	660 lbs
Pallet Weight (metric)	300 kg
Paper Handling Optional/input	Optional 1 x 550-sheet paper feeder, 1 x 550-sheet feeder with cabinet, 2000-sheet feeder high capacity input with 1 x 550-sheet paper feeder, optional 3 x 550-sheet feeder, optional envelope feeder
Paper Handling Standard/input	100-sheet multipurpose feeder, 550-sheet input feeder, 50-sheet automatic document feeder
Paper Handling Standard/output	250-sheet output feeder
Paper Trays, Maximum	5 [20]
Paper Trays, Standard	2
Power Supply Required	Input Voltage: 100V - 127V AC, 50 - 60Hz, 8.8A; or Input Voltage: 220V - 240V AC, 50 - 60Hz, 4.6A
Print Cartridges/Bottle, Number	1 (black)
Print Colors	No
Print Languages, Standard	HP PCL 6, HP PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
Print Resolution Black (Fine Lines)	Up to 1200 x 1200 dpi
Print Resolution Black (normal)	Up to 600 x 600 dpi
Print Speed Black (Landscape, A5)	Up to 76 ppm
Print Speed Black (Portrait, A5)	Up to 14 ppm
Print Speed Black Duplex (A4)	Up to 41 ipm
Print Speed Black Duplex (Letter)	Up to 43 ipm
Print Speed Footnote (A5)	[15] Measured using ISO/IEC 24734 Feature Performance Test, 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.

Print Speed Footnote Number (A5)	[15]
Print Technology	Laser
Printable Area Maximum (metric)	212 x 352 mm
Printer Management	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP Security Manager; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility)
Processor Speed	Quad Core (1.6 GHz)
Product Long Name Specifications	HP LaserJet Enterprise MFP 5601dn Printer, Black and white Printer for Business, Print, copy, scan and optional fax, Two-sided printing; Two-sided scanning; TerraJet cartridge; Touchscreen; Automatic document feeder
Product Short Name Specifications	HP LaserJet Enterprise 5601dn Black and white Printer, Only Ethernet; Duplex; Copier, Scanner
Quantity Per Pallet	12
RMN Number	BOISB-2401-00
Recommended Media Weight (duplex, imperial)	16 to 32 lb
Recommended Media Weight (duplex, metric)	60 to 120 g/m ²
Recommended Monthly Page Volume	2,500 to 12,500 ^[18]
Recommended Monthly Page Volume Note	[18] HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. The range shown is based on 60 months of output for the lower monthly value and 12 months of output for the higher monthly value.
Recommended Monthly Scan Volume	5000 to 10,000
Recommended Monthly Scan Volume Note	[3] HP recommends that the number of scanned pages per month be within the stated range for optimum device performance.
Remote Retrieval Capability Supported	Yes (with optional analog fax accessory)
Safety Approvals and Requirements	IEC 62368-1:2014; EN 62368-1:2014 +A11:2017; IEC 62368-1:2018; EN 62368-1:2020 +A11:2020; EN 60825-1:2014 +A11:2021/IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010/IEC 62479:2010; IEC 62471:2006 / EN 62471:2008; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); UL/cUL Listed and UC CoC (US/Canada); UL62368-1 3rd Ed. 2021-10-22, CSA C22.2 No. 62368-1-19, 3rd Ed.; Compliance with Laser safety standards 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser notice No. 56, Dated May 8, 2019; Other safety approvals as required by individual countries.
Scan File Format Footnote	[5] For scan software we support; Windows [JPG, RAW (BMP), PDF, TIFF, PNG, RTF] and Mac [JPG, JPG-2000, TIFF, PNG, PDF, Searchable PDF, RTF, TXT].
Scan Resolution, Enhanced	Up to 600 dpi
Scan Resolution, Hardware	Up to 600 x 600 dpi

Scan Resolution, Optical	Up to 600 dpi
Scan Size Maximum (ADF, Imperial)	8.5 x 34.0 in
Scan Size Maximum (ADF, metric)	216 x 864 mm
Scan Size Maximum (flatbed, imperial)	8.5 x 14 in
Scan Size Maximum (flatbed, metric)	216 x 356 mm
Scan Size Minimum (ADF, imperial)	4 x 5.8 in
Scan Size Minimum (ADF, metric)	101.6 x 148 mm
Scan Speed Duplex (normal, A4)	Up to 76 ipm (b&w), up to 62 ipm (color)
Scan Speed Duplex (normal, letter)	Up to 80 ipm (b&w), up to 66 ipm (color)
Scan Speed Footnote	[2] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
Security Management	Identity management: Role Based Access Control (RBAC) Walk-up and Remote Access; Admin PW Protected EWS and Remote Access, Self-signed Certificate; Encrypted passwords; Personal on-device user accounts; Account Lockout (time-based); Kerberos AuthN; LDAP authentication; 1000 user PIN codes; Optional HP and 3rd party passwordless, MFA solutions (e.g.: badge readers); Protected Access (embedded) end user passwordless MFA for Microsoft® Entra ID; Proximity card reader, single sign-on, smart card, CAC support. Network protection: IPsec/firewall with Certificate; Elliptic Curve Cryptography (ECC, EC-based certificates); Pre-Shared Key; Kerberos AuthN; Web Jetadmin fleet proxy; 802.1X (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS with Server Certificate Validation; Certificate Provisioning and CA support; Access Control List. Data privacy and protection: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated crypto libraries from Microsoft®); Secure Erase with job storage (3x overwrite for HDD, cryptographic erase for SSD); SSL/TLS 1.2, TLS 1.3 support (HTTPS; Encrypted Credentials; Secure encrypted print support via UPD; AI-enabled Guided Redaction data security (select models). Device protection: Continuous malware monitoring; HP SureStart with Quantum Resistant BIOS firmware Integrity checking, PQC protection, and self-healing recovery; Allowlisting code validation (DLLs, EXEs, etc.) at time of use; Memory Shield hardware-enforced Runtime Intrusion Detection and Control Flow Integrity with self-healing recovery; AI-powered Connection Inspector network behavior anomaly detection with self-healing recovery; Trusted Platform Module 2.0; Configurable Service PIN; EU RED, UK PSTI, Australia Cybersecurity Act 2024 compliant; Embedded VPN (select HP Enterprise models); HP LaserJet Workflow Accelerator Card support (select HP MFP Enterprise models); Wi-Fi security; WPA Enterprise; Security lock slot; USB host port disablement; Hardware integration pocket (HIP). Testing, Validation, Governance, and Compliance: FIPS 140-2, 140-3, Common Criteria Certification; NIST security checklist; Supply Chain Security ISO/IEC 20243 Certifications. Fleet security management: HP Security Manager policy and device certificate management, fleet firmware vulnerability assessment; Compatible with Device Security Syslog Messages processed and accessible in SIEM tools; HP Workforce Experience Platform Support (select models); Original HP Enterprise Cartridge Security.
Segment (filter)	Business
Sensor Resolution	600 dpi optical

Standard Media Sizes (duplex, Imperial)	Letter; Legal; Folio; Executive
Standard Media Sizes (duplex, metric)	A4; Oficio; B5; 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm); A5
Standard Media Sizes Supported (imperial)	Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet tray: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Automatic Duplexer: letter, legal, executive, 8.5 x 13 in; Envelope Feeder Accessory: No. 9, No. 10, Monarch
Standard Media Sizes Supported (metric)	Tray 1: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K, postcards (JIS single and double), envelopes (B5, C5, C6, DL); Tray 2: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), Oficio (216 x 340), 16K, postcards (JIS double); Optional 550-sheet Tray: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), Oficio (216 x 340), 16K, postcards (JIS double); Automatic Duplexer: A4, A5, RA4, B5, 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm), Oficio; Envelope Feeder Accessory: B5, C5, C6, DL
Standard Memory	4 GB
Storage	32 GB eMMC; 512 GB SSD (Optional)
Storage Capacity	32 GB eMMC
Storage Device and Direct Print Support	Front-facing USB/Flash drive
Storage Footnote	[1] 32 GB eMMC is standard, optional storage is available up to a 512 GB SSD
Storage Temperature Range (celsius)	-20 to 40°C
Storage Temperature Range (fahrenheit)	-4 to 104°F
System Requirements, Macintosh, Minimum	2 GB available hard drive space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see apple.com
System Requirements, Minimum	2 GB available hard disk space; Internet connection; For USB port; Internet browser. For additional OS hardware requirements see microsoft.com
Target Number of Users and Print Volume	For teams up to 15 users; Prints up to 12,000 pages/month
Tariff Numbers	(AMS) 8443310000; (EU) 8443310000; (AP) 84433139
Technology	Laser
Telephone Handset Supported	No
Top Key Features	Two-sided printing; Two-sided scanning; TerraJet cartridge; Touchscreen; Automatic document feeder
Tray Capacity (filter)	2300
Twain Version	Version 2.4
Typical Electricity Consumption (TEC) Footnote	[10] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).

Typical Electricity Consumption (TEC) number	0.494 kWh/Week (Blue Angel); 0.542 kWh/Week (ENERGY STAR 3.0) ^[10]
UNSPSC Code	43212110
UPC Number	(696) 198415440327; (697) 198415440341; (AB0) 198415440372; (AB2) 198415440389; (ABJ) 198415440402; (ABT) 198415440426; (AC8) 198701989677; (ACJ) 198415440464; (ACQ) 198415440471; (B13) 199485100265; (B19) 198415440488; (BAZ) 198415440518; (BBU) 198415440525; (BGJ) 198415440532; (BGM) 198415440549
WEEE Net Weight (metric)	16.5 kg
Warm-up Time	120 sec
Warranty Standard Statement	Warranty is valid until the genuine HP toner is depleted as indicated by the printer, or the end of warranty date is reached, whichever occurs first.

[4] 75 gms

[5] For scan software we support; Windows [JPG, RAW (BMP), PDF, TIFF, PNG, RTF] and Mac [JPG, JPG-2000, TIFF, PNG, PDF, Searchable PDF, RTF, TXT].

[7] Power consumption values based on measurement of 115 V device. 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.

[8] EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country. ENERGY STAR and the ENERGY STAR logo are registered U.S. marks.

[10] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).

[11] Citrix Server versions updates release every quarter, for updates see <https://www.citrix.com/en-in/downloads/citrix-virtual-apps-and-desktops/> ; Citrix XenApp & XenDesktop versions updates release every quarter, for updates see <https://www.citrix.com/en-in/downloads/citrix-virtual-apps-and-desktops/> ; Citrix Ready Kit Certification - see <http://citrixready.citrix.com> for the latest qualification for HP Printers

[12] With print cartridges.

[13] Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.

[17] 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.

[18] HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. The range shown is based on 60 months of output for the lower monthly value and 12 months of output for the higher monthly value.

HP Laser Toner Cartridges and Kits

★ : Recommended

HP TerraJet Toner Cartridges

HP 159A Black Original LaserJet Toner Cartridge	W1590A
HP 159X Black Original LaserJet Toner Cartridge	W1590X
HP 159Y Black Original LaserJet Toner Cartridge	W1590Y

HP Home & Office Papers

HP Home & Office Papers for laser and inkjet

HP MultiPurpose20TM 20 lb 11 x 17 in. (279 x 432 mm) 250 sheets	HPM1720P
HP MultiPurpose20TM 20 lb 8.5 x 11 in. (216 x 279 mm) 500 sheets	HPM1120R
HP MultiPurpose20TM 20 lb 8.5 x 14 in. (216 x 356 mm) 500 sheets	HPM1420P

Document & Printing

★ : Recommended

Print Security Solutions

HP HID Mobile Access BLE MIFARE Card Reader	35H11B
HP HID Mobile Access Mifare DES Fire Keystroking Reader	35H11A
HP Keystroke Card Reader	Y7C05B
HP Universal Card Reader	X3D03B

Print Management Software Solutions - Security

HP Legic Secure USB Reader	4QL32A
HP USB Universal Card Reader	X3D03A

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