



HP LaserJet Enterprise MFP X53052dn/z Printer series

The powerful A4 enterprise printer for small teams

Built to simplify document workflows and support high-volume printing with fast speeds, customizable features, and built-in HP AI¹⁶ digitization. Seamlessly integrates with your fleet, is future-ready, and delivers the world's most secure printing.¹

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>



HP LaserJet Enterprise MFP X53052dn Printer



HP LaserJet Enterprise Flow MFP X53052z Printer

Get the power to be more productive

- Save time with fast automatic 2-sided scanning up to 120 ipm and print speeds up to 52 ppm to power through your tasks.²
- Stay ahead with FutureSmart firmware updates, keeping your fleet always up to date.³
- Customize workflows your way with printer and software configurations for your unique needs.
- Work without interruptions—smart services monitor devices in real time and fix issues before disrupting flow.⁴

Digitize your workflows with smart solutions

- Digitize large paperwork stacks in seconds — AI extracts and organizes key data from scans automatically.⁷
- Share scans with confidence — AI automatically redacts personal data, all processed locally.⁶
- Easily find, edit, and share scans easily — AI turns scans into editable Office files (.docx, .pptx, .xlsx).⁸
- Wherever you are in your digital transformation, find the perfect fit—on-premises or cloud, tailored to you.

Protect what matters with the most secure printer¹

- Keep your work protected—HP Wolf silently detects and repairs your printer from cyberattacks.¹
- Simplify compliance—HP Security Manager enforces policies automatically, so you're always audit-ready.⁹
- Grant access only to verified users and devices with HP's Zero Trust Print Architecture.¹⁰
- Get peace of mind with future-ready security — the world's first printers protected against quantum attacks.¹¹

Save energy and help reduce waste

- Reduce costs and environmental impact with printers and toner cartridges that use less energy.¹²
- Meet the rigorous criteria of EPEAT Gold, Energy Star, and Blue Angel with our energy efficient designs.¹³
- Help reduce plastic waste with TerraJet Toner Cartridges designed with recycled plastics.¹⁴
- Easily recycle your used HP TerraJet Toner Cartridges for free through the HP Planet Partners Program.¹⁵

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. 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 HP Smart Device Services (SDS) is supported on both A3 and A4 LaserJet devices, requires Original HP supplies to be installed in the device, and supports Managed, Enterprise, and Pro-class HP devices dating back to 2008. Capabilities vary based on the age of the legacy device and Pro-class capabilities. For details, see: <https://hpsdsdevicesupport.com> ⁵ Not all MFPs may be compatible with Workpath apps. To enable HP AI Solutions, some devices may require optional accessory or firmware to be upgraded. Not all apps may be available in all locations. Subscription may be required. Personalized content and integration functions are applicable to supported HP Workpath apps only. ⁶ Guided Redaction estimated to be available Spring 2026 on select Flow MFPs (HP LaserJet Enterprise Flow MFP X53052z). Requires latest HP FutureSmart firmware and the purchase of the HP Workflow Accelerator Card accessory. Telephone and Social Security Number fields are optimized for North America and select European countries. ⁷ Not all MFPs may be compatible with Workpath apps. To enable HP Scan AI Enhanced, license is required. Personalized content and integration functions are applicable to supported HP Workpath apps only. ⁸ Available as standard on Flow MFP models (HP LaserJet Enterprise Flow MFP X53052z) and available for purchase as an optional HP Editable OCR license on non-Flow MFP models (HP LaserJet Enterprise MFP X52952dn/ X53052dn). ⁹ HP Security Manager must be purchased separately. For details, see hp.com/go/securitymanager. ¹⁰ Delivered through implementation of HP Authentication Suite for Workpath-enabled devices and devices with embedded Protected Access both providing passwordless multifactor authentication for Microsoft Entra ID environments. Device identity provided by deployment of device certificates using HP Security Manager software, sold separately. ¹¹ Based on HP's internal analysis of business Printers with preinstalled encryption, authentication, malware protection, post-quantum digital signature, and initial BIOS firmware integrity protection with automatic self-healing recovery finding that no other in-class Printers implement a quantum-resistant cryptographic scheme to protect the integrity of the BIOS and firmware as of March 2025. ¹² Energy reduction in HP LaserJet Enterprise X53052-X50452 and X52952-X53052 with HP Original 159 TerraJet Toner Cartridges compared to predecessor HP LaserJet Enterprise E50145 and E52645 with HP Original 89 Toner Cartridges. Calculated in 2026 based on normalized Energy Star® Typical Electricity Consumption (TEC) data. See hp.com/TerraJet/energysaving for more information. ¹³ HP voluntarily designs and tests its printing systems to prevent emissions that exceed Blue Angel and EPEAT eco-label guidelines. Based on US, Canada, India, and Australia EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.energystar.gov/productfinder for more information on models of the HP LaserJet Enterprise X50352-X50452/MFP X52952-X53052 series that are ENERGY STAR certified in North America. ENERGY STAR and the ENERGY STAR logo are registered U.S. marks. HP printer, HP paper and Original HP supply - Blue Angel DE-LIZ 219 Emissions Criteria. ¹⁴ Recycled plastic in Original HP 159 and 160 TerraJet Toner Cartridges measured in 2026 and expressed as a percentage of total weight of plastic. See hp.com/TerraJet/plasticreductions for more information. ¹⁵ Program availability varies. For more information, visit hp.com/hprecycle. ¹⁶ HP AI uses artificial intelligence (AI). Feature availability varies by printer model, configuration, and country, with additional localizations planned for future launches. HP reserves the right to charge for certain AI features or additional services in the future in accordance with the HP AI Terms of Service. To learn more, visit hp.com/HP_AI.

Product walkaround

(X53052z shown)



1. 10.1-inch color touchscreen display (25.6cm)
2. Automatic 2-sided printing
3. 100-sheet multipurpose tray 1 supports media sizes up to Legal (8.5x14 inch)
4. 1x 550-sheet tray 2 supports media sizes up to Legal (8.5x14 inch)
5. Hardware Integration Pocket (for connecting accessories and third-party devices)¹
6. Convenience Stapler
7. 100-sheet dual side ADF supports media sizes up to Legal (8.5x14 inch)

Series at a glance



Model	HP LaserJet Enterprise MFP X53052dn Printer	HP LaserJet Enterprise Flow MFP X53052z Printer
Product Number	67556A	67557A
Functions	Print, copy, scan and optional fax	Print, copy, scan, fax
Print speed (up to) ²	52/50 ppm (Letter/A4)	
Scan Speed ²	50/100 ipm (simplex/duplex)	60/120 ipm (simplex/duplex)
Auto 2-sided printing	Yes	
Connectivity	USB, Ethernet	
Control panel	8" Color Touchscreen	10.1" Color Touchscreen
Input capacity	650/2,300 (std/max)	
Memory and Storage ⁶	6GB RAM, 32GB eMMC	6GB RAM, 256GB SSD
RMPV ⁵	10,000 to 25,000	
Key Solutions	HP AI ⁴ (HP Smart Device Services (SDS), HP Editable OCR (optional))	HP AI ⁴ (HP Smart Device Services (SDS), HP Editable OCR, HP Guided Redaction (Flow with WF card accessory))
Workpath enabled	Yes	
Output Devices	Optional Convenience Stapler via CTO	Standard Convenience Stapler
Extensibility	HP FutureSmart ³ , OXPd	

¹ Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.

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 AI Solutions, some devices may require optional accessory or firmware to be upgraded. Not all apps may be available in all locations. Subscription, professional services or licenses may be required.

⁵ 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 24 months of output for the higher monthly value.

⁶ Optional storage options are available depending on configuration. Please contact your Market Category Manager for details.

HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

For carepack availability visit: hp.com/go/cpc

Top features

Maximize productivity with blazing-fast speeds, customizable features and FutureSmart firmware upgrades.

Work smarter with AI-enabled tools and tailored print solutions. Easy convert documents to Office formats.

The world's most secure printing technology—protect your data, workflows, and business at every level.¹

Reduce costs and environmental impact with our energy-efficient design.

Accessories

1M0Q0A	HP MFP Analog Fax 702 Accessory
1M0Q2A	HP LaserJet Workflow Keyboard
1M0Q5A	HP LaserJet Workflow Accelerator Card
2TD64A	HP Accessibility Kit
478C2A	HP Printing Voice Assistant
4XN67A	Internal USB Expansion Kit
6C7M6A	HP LaserJet 550-sheet Paper Tray
6W666A	HP LaserJet X53052 Constellation Yellow Color Panel Kit
6W667A	HP LaserJet X53052 Cosmic Green Color Panel Kit
6W668A	HP LaserJet X53052 Aurora Purple Color Panel Kit
6W669A	HP LaserJet X53052 Comet Red Color Panel Kit
6W670A	HP LaserJet X53052 Lunar Gray Color Panel Kit
6W681A	HP 550 sheet Paper Tray Constellation Yellow Panel Kit
6W682A	HP 550 Sheet Paper Tray Cosmic Green Panel Kit
6W683A	HP 550 Sheet Paper Tray Aurora Purple Panel Kit
6W684A	HP 550 Sheet Paper Tray Comet Red Panel Kit
6W685A	HP 550 Sheet Paper Tray Lunar Gray Panel Kit
6W686A	HP Storage Stand Constellation Yellow Panel Kit
6W687A	HP Storage Stand Cosmic Green Panel Kit
6W688A	HP Storage Stand Aurora Purple Panel Kit
6W689A	HP Storage Stand Comet Red Panel Kit
6W690A	HP Storage Stand Lunar Gray Panel Kit
766R7A	HP LaserJet 512 GB SED-TAA Solid State Drive
8FP31A	HP Jetdirect LAN Accessory
9R1U0A	HP JetDirect 3200w Wifi 6 Bluetooth Wireless Accessory
B01KLA	HP LaserJet 3x550 Sheet Paper Tray with Stand
B01KMA	HP LaserJet Lunar Gray 3x550 Sheet Paper Tray with Stand
B01KNA	HP LaserJet Comet Red 3x550 Sheet Paper Tray with Stand
B01KPA	HP LaserJet Cosmic Green 3x550 Sheet Paper Tray with Stand
B01KQA	HP LaserJet Aurora Purple 3x550 Sheet Paper Tray with Stand
B01KRA	HP LaserJet Constellation Yellow 3x550 Sheet Paper Tray with Stand
B01KSA	HP LaserJet Envelope Feeder Kit
B01KTA	HP LaserJet 550 Sheet Paper Tray with Storage Stand
B01KVA	HP LaserJet Lunar Gray 550 Sheet Paper Tray with Storage Stand
B01KWA	HP LaserJet Comet Red 550 Sheet Paper Tray with Storage Stand
B01KXA	HP LaserJet Cosmic Green 550 Sheet Paper Tray with Storage Stand
B01KYA	HP LaserJet Aurora Purple 550 Sheet Paper Tray with Storage Stand
B01KZA	HP LaserJet Constellation Yellow 550 Sheet Paper Tray with Storage Stand
B18J0A	HP LaserJet 512GB 2.5 inch SATA CCC/FIPS/TAA Solid State Drive
B18J1A	HP LaserJet 512GB M.2 2280 NVMe CCC/FIPS/TAA Solid State Drive
B5L31A	HP Foreign Interface Harness
B8GR1A	HP LaserJet 550 Sheet Paper Constellation Yellow Tray
B8GR2A	HP LaserJet 550 sheet Paper Cosmic Green Tray
B8GR3A	HP LaserJet 550 sheet Paper Aurora Purple Tray
B8GR4A	HP LaserJet 550 sheet Paper Comet Red Tray
B8GR5A	HP LaserJet 550 sheet Paper Lunar Gray Tray
BK556AAE	HP Editable OCR A4
CC543B	HP SmartCard NIPRNet Solution for US Government
F8B30A	HP SmartCard SIPRNet Solution for US Government
Q7432A	HP Staple Cartridge Pack
Y1G13A	HP LaserJet Inner/Booklet Staples
X3D03B	HP USB Universal Card Reader
Y7C05B	HP HIP2 Keystroke Reader
35H11B	HP HID Mob Acc Mifare DES Fire ks Reader
4QL32A	HP Legic Secure USB Reader

Supplies

W9087MC	HP W9087MC Black Managed LaserJet Toner Cartridge
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Solutions

Overview: The HP Solutions portfolio provides a broad array of solutions designed to work with many HP printers and MFPs. They can help improve productivity, safeguard your data, and drive down costs. Helping employees and your IT team work more efficiently.

Workflow: HP Capture & Route; HP Smart Advance; HP Workpath Apps; Upland Intelligent Capture; HP Intelligent Workflows Capture; Upland Filebound; Hp Intelligent capture

Security: HP Access Control; HP Security Manager; Smart Security; HP Advance; HP Secure Print and Insights; HP card readers

Mobile and universal print: HP Universal Print Driver (UPD); HP For Universal Print Workpath App; Microsoft Universal Print (MUP) support

Management: HP Security Manager; HP Insights; HP Smart Device Services (SDS); Embedded Web Server; HP Command Center; HP Smart Printer Administrator's Resource Kit; Premium Fleet & Security Management on WXP-Print; HP Advance; HP Web Jetadmin

Services

UN9M7E	HP 3 year Next Business Day Onsite with DMR Service for LaserJet Enterprise MFP X52952 53052
UN9N1E	HP 3 year 4 hour Onsite with DMR Service for LaserJet Enterprise MFP X52952 53052
UN9N5E	HP 3 year Parts Exchange with DMR Service for LaserJet Enterprise MFP X52952 53052
UN9N0PE	HP 1 year Post Warranty NBD Onsite with DMR Service for LaserJet Enterprise MFP X52952 53052
UN9N4PE	HP 1 year Post Warranty 4 hour Onsite with DMR Service for LaserJet Enterprise MFP X52952 53052

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.

HP LaserJet Enterprise MFP X53052dn/z Printer series

Model	HP LaserJet Enterprise MFP X53052dn Printer	HP LaserJet Enterprise Flow MFP X53052z Printer
Product number	67556A	67557A
AIO functions	Print, copy, scan and optional fax	Print, copy, scan, fax
Print		
Print speed ^{13, 15, 14}	First page out Letter: As fast as 4.0 sec Black; First page out A4: As fast as 4.1 sec Black; Letter: Up to 52 ppm Black; A4: Up to 50 ppm Black; 2-sided Letter: Up to 43 ipm Black; 2-sided A4: Up to 41 ipm Black; Print speed (Landscape, A5): Up to 76 ppm Black	
Print resolution	Black (best) Up to 1200 x 1200 dpi; Black (normal) Up to 600 x 600 dpi; Black (fine lines) Up to 1200 x 1200 dpi	
Print technology	Laser; Print resolution technology: Normal (600x600 dpi with FastRes), Fine Lines (1200x1200 dpi), Quickview (300x300 dpi)	
Print cartridges number	1 (black)	
Standard print languages	HP PCL 6, HP PostScript level 3 emulation, native PDF printing (v. 1.7), Apple AirPrint™	
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) or 10.1 in (25.6 cm) touchscreen control panel, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, print preview	
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 - Managed Printing Administrator)	
Scan		
Scan type / Technology	Type: Flatbed, ADF; Technology: Contact Image Sensor (CIS); Twain version: Version 2.4	
Scan resolution	Hardware: Up to 600 x 600 dpi; Optical: Up to 600 dpi	
Scan file format	Standard 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); Optional with Editable OCR License (TEXT (OCR); Unicode TEXT (OCR); RTF (OCR); HTML (OCR); CSV (OCR); Open Office XML (.docx, .xlsx, .pptx))	Standard 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); Editable OCR (TEXT (OCR); Unicode TEXT (OCR); RTF (OCR); HTML (OCR); CSV (OCR); Open Office XML (.docx, .xlsx, .pptx))
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 Size	ADF: 8.5 x 34.0 in Maximum; 2.7 x 5 in Minimum; Flatbed: 8.5 x 14 in	
Scan speed ²	Up to 50 ppm/100 ipm (b&w), up to 50 ppm/100 ipm (color) Letter; Up to 47 ppm/94 ipm (b&w), up to 47 ppm/94 ipm (color) A4; Duplex: Up to 100 ipm (b&w), up to 100 ipm (color) Letter; Up to 94 ipm (b&w), up to 94 ipm (color) A4	Up to 60 ppm/120 ipm (b&w), up to 60 ppm/120 ipm (color) Letter; Up to 56 ppm/112 ipm (b&w), up to 56 ppm/112 ipm (color) A4; Duplex: Up to 120 ipm (b&w), up to 120 ipm (color) Letter; Up to 112 ipm (b&w), up to 112 ipm (color) A4
Bit depth / Grayscale levels	24-bit / 256	
Digital sending standard features	Embedded OCR; scan to OneDrive; scan to OneDrive for Business; scan to SharePoint Online; 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 color/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimize 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: Editable OCR (With License)	Scan to e-mail; save-to-network folder; save-to-USB drive; send to SharePoint; send to FTP; send to sFTP; send to LAN fax; send to Internet Fax; local address book; SMTP over SSL; auto color sense; compact PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (auto, text, mixed, printed picture, photograph); content orientation; ID scan; job build; watermark; stamps; book mode scans; erase edges; image preview; blank page suppression; scan to multi destination; embedded OCR; auto-tone, auto orientation, auto page-crop; multi-feed detection; document editing; auto paper color removal; job separation; automatically straighten; scan to OneDrive; scan to OneDrive for Business; scan to SharePoint Online
Copy		
Copy speed ⁶	Letter: Up to 52cpm Black; A4: Up to 50 cpm Black; First copy out Letter: As fast as 5.0 sec Black; First copy out A4: As fast as 5.1 sec Black; 2-sided Letter: Up to 43 ipm Black; 2-sided A4: Up to 41 ipm Black	
Copy resolution	Color (text and graphics): Up to 600 x 600 dpi	
Maximum Number of Copies	Up to 9999 copies	
Copier resize	25 to 400%	
Copier settings	Book Copy; Booklet; Build Job; Collation; Content orientation; Copy preview; Darkness control; Default Original Size; Edge Erase; 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/Photo; Tray Selection; Two-sided copy; Watermark; Scan mode (book, 2-sided ID); Stamps; Image overlay; Image shift; Image preview; Paper selection; Scan to job storage; Automatically straighten; Automatically detect color/monochrome; Auto tone; Multi-feed detection; Auto paper color removal; Document editing	
Fax		
Fax speed ¹²	Up to: 33.6 kbps (maximum); 14.4 kbps (default) / Letter: 5 sec per page	
Fax resolution	Black (best): Up to 300 x 300 dpi; Black (standard): 200 x 100 dpi	
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	
Fax Features	Fax memory: Up to 1000 pages; Auto fax reduction supported: Yes; Auto-redialing: Yes; Fax delayed sending: No; Distinctive ring detection supported: No; Fax forwarding supported: Yes (with optional analog fax accessory); Fax phone TAM interface supported: No; Fax polling supported: Yes (poll to receive only); Fax telephone mode supported: No; Junk barrier supported: Yes, up to 30 numbers may be blocked; Maximum speed dialing numbers: Up to 1000 numbers; PC interface supported: Yes; Remote retrieval capability supported: Yes (with optional analog fax accessory); Telephone handset supported: No	
Connectivity		
Standard connectivity	1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000 Base-T 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 10/100/1000 Base-T network; 1 Hardware Integration Pocket 2nd generation (HIP2); 1 Fax
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	
Memory	Standard: 6 GB; Maximum: 6 GB	
Processor speed	Quad Core (1.6 Ghz)	
Storage ¹	Standard: 32 GB eMMC; 512 GB SSD (Optional)	Standard: 256 GB SSD; 512 GB SSD (Optional)
Duty cycle (monthly) ²¹	Letter: Up to 275,000 pages; A4: Up to 275,000 pages; Recommended monthly page volume ¹⁶ : 10,000 to 25,000	

HP LaserJet Enterprise MFP X53052dn/z Printer series

Model	HP LaserJet Enterprise MFP X53052dn Printer	HP LaserJet Enterprise Flow MFP X53052z Printer
Product number	67556A	67557A
Paper handling		
Input	Standard: 100-sheet multipurpose feeder, 550-sheet input feeder, 100-sheet automatic document feeder; Up to 650 sheets; Up to 60 envelopes (MP Tray: 10mm, ~10 envelopes; ENV FDR Tray: 45mm, ~50 envelopes); Maximum: Up to 2300 sheets	
Output	Up to 250 sheets Standard ; Transparencies: Up to 100 sheets; Maximum: Up to 250 sheets	
Duplex Options	Automatic (standard)	
Auto document feeder capacity ⁴	Standard, 100 sheets; Duplex ADF scanning: Yes, single pass duplex scanning	
Envelope feeder	Yes, 50 (optional) ¹⁹	
Standard paper trays	Standard: 2; Maximum: 5 ²⁰	
Media types	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined	
Media weight	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 sizes	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; Automatic Duplexer: letter, legal, executive, 8.5 x 13 in; Envelope Feeder Accessory: No. 9, No. 10, Monarch	
Media Sizes Custom	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	
Dimensions (W x D x H)	19.7 x 16.7 x 19.7 in; 500 x 425 x 500 mm; Maximum: 19.7 x 25.6 x 29.5 in; 500 x 650 x 750 mm	20.1 x 16.7 x 19.7 in; 510 x 425 x 500 mm; Maximum: 21.3 x 25.6 x 29.5 in; 540 x 650 x 750 mm
Weight ¹¹	~47.4 lb; ~21.5 kg	~49.4 lb; ~22.4 kg
What's in the box	HP LaserJet Enterprise MFP X53052dn Printer; HP Original LaserJet Introductory Toner Cartridge (~ 6,000 pages); CDs; User Guide; Support Flyers; Warranty Cards; Required Erratas	HP LaserJet Enterprise MFP X53052z Printer; HP Original LaserJet Introductory Toner Cartridge (~ 6,000 pages); CDs; User Guide; Support Flyers; Warranty Cards; Required Erratas
Replacement cartridges	HP Black Managed LaserJet Toner Cartridge (~30,000 pages) W9087MC	
Orderable supplies	HP LaserJet Transfer Roller Kit (C35T5A); HP LaserJet Tray 2 Roller Kit (C35T6A); HP LaserJet ADF Maintenance Kit (6H121A)	HP LaserJet Transfer Roller Kit (C35T5A); HP LaserJet Tray Roller Kit (C35T6A); HP LaserJet ADF Maintenance Kit (6H121A); HP Staple Cartridge Pack (Q7432A (3000 staples for convenience stapler z model))
Warranty features	One-year, onsite warranty service. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to hp.com/support to learn about HP award winning service and support options in your region.	
Energy star certified	Yes	
Ecolabels ⁹	CECP; IT ECO Declaration; Blue Angel; EPEAT® Gold India; EPEAT® Gold Australia; EPEAT® Gold Canada; EPEAT® Gold US; SEPA; KOECO; ENERGY STAR® certified; Vietnam MEPS; Korea MEPS	CECP; IT ECO Declaration; Blue Angel; EPEAT® Gold India; EPEAT® Gold Australia; EPEAT® Gold Canada; EPEAT® Gold US; SEPA; KOECO; ENERGY STAR® certified; Korea MEPS; Vietnam MEPS
Sustainable impact specifications	Mercury free; Recyclable through HP Planet Partners; Contains at least 5% post-consumer recycled plastic	
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display	10.1-in (25.65 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display
Display	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen	10.1-in (25.65 cm) Color Graphics Display (CGD) with touchscreen
Software included	No software solutions are included in the Box only on http://support.hp.com	
Fonts and typefaces	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP postscript Level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono 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	
Compatible operating systems ¹⁸	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	
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	
Power ^{10,9}	Power supply type: Built-in 3-Pin 115V or 220V Internal Power Supply; Power supply required: Input Voltage: 100V - 127V AC, 50 - 60Hz, 9.1A; or Input Voltage: 220V - 240V AC, 50 - 60Hz, 4.7A; Power consumption⁷: 704.5 watts (Printing), 18.7 watts (Ready), 0.71 watts (Sleep), 0.02 watts (Auto-Off), 0.02 watts (Off); Typical electricity consumption (TEC) number: 0.494 kWh/Week (Blue Angel); 0.542 kWh/Week (ENERGY STAR 3.0)	
Acoustics ¹⁷	Acoustic power emissions: 6.9 B(A)	
Operating environment	Operating temperature range: 59 to 90.5°F ; Recommended operating temperature: 63.5 to 77°F ; Storage temperature range: -4 to 104°F ; Operating humidity range: 10 to 80% RH ; Recommended operating humidity range: 30 to 70% RH	
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, HP Authentication Suite with Workpath); 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; HP Workpath support (select models); 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.	
Country of origin	Made in Mexico	

¹ Additional storage may be added up to 512 GB SSD.

² Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

³ HP recommends that the number of scanned pages per month be within the stated range for optimum device performance

⁴ 75 gsm

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]. Open Office XML and other editable OCR formats require optional HP Editable OCR license.

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.

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.

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.

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

¹¹ With print cartridges

¹² Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.

¹³ 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.

¹⁴ 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.

¹⁵ 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.

¹⁶ 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 24 months of output for the higher monthly value.

¹⁷ Active Printing measured on worse case bundle/mode, printing A4 simplex at 50ppm. Active Scan measured on worse case bundle/mode, scanning A4 Color Simplex to USB storage at 58 ppm

¹⁸ 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;

¹⁹ Envelope feeder available as an accessory kit and requires that an additional Tray must be present in the Tray 3 position. Additional trays can be ordered as accessories to suit your requirements.

²⁰ The printer can support up to 1 additional tray for desktop use and up to 3 additional trays for floor standing. Floor standing configurations must be built up from one of the two floor standing accessories - 3 x 550 Sheet Paper Tray with Stand, or 1 x 550 Sheet Paper Tray with Storage Stand.

²¹ 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

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