

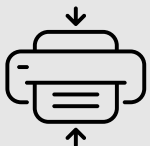
HP Color LaserJet Enterprise X500 Series printers



Powerfully compact. Extraordinarily efficient.



Modern work environments have become more dynamic, requiring teams to be more adaptable in their methods of operation. Stay a step ahead with the powerfully innovative HP Color LaserJet Enterprise X500 Series MFPs and printers, designed to deliver advanced capabilities that help transform your workflows for enhanced productivity and document management. Scalable solutions evolve alongside your business, and the most secure printing technology in the world ensures that your workforce is prepared for what the future brings. Discover how this managed portfolio can power your business today.



More than a printer,
in a compact footprint



Customizable
and scalable solutions



Fast and seamless
digitization



HP WOLF SECURITY

Always on guard with HP
Wolf Security¹

More than a printer, in a compact footprint

Get peak performance with scalable configurations from printer to copier, delivering maximum productivity for robust printing needs.



Ultimate scanning performance

Next generation HP Flow technology combined with over 120 ipm²* duplex scan technology makes light work of heavy workloads. Experience ultra-fast scanning speeds and ultimate productivity powered by HP's fastest processors.



Reduce downtime

Stay in the flow of work with minimal downtime required for maintenance and repairs. Replacement of all major long-life consumable components can be completed in less than 10 minutes.⁴



Fast printing speeds

Fast print speeds of up to 43 ppm³ sets the pace to handle any workload. Busy workgroups can get everything done with ultimate speed, top performance, and reliable quality.



HP Color LaserJet Enterprise MFP Flow series: Improve workflow and productivity with enhanced Next generation HP Flow technology

Easily digitize and edit documents with built-in OCR software⁵

Easily scan and capture text to digitize documents with high-accuracy OCR software. Once scanned, make edits to the document before printing. Increase the speed of OCR scanning with an optional accelerator card.*

Options for improved data entry

Typing is faster on a familiar keyboard interface. Choose a large 10.1-inch color touch-enabled control panel with a virtual keyboard or add a physical keyboard⁶ on the printer to make data entry quicker and easier for users who prefer a traditional keyboard experience.

On-site digital editing and marking

Improve workflow and save time with convenient digital editing—including marking, redaction, highlighting, and simple signatures⁶, directly on the device control panel.

Smart auto-sensing features

Save time and effort with auto-sensing features that reduce steps and increase accuracy. From tone and color management to 2-sided document detection and automatic job separation, auto-sensing features ensure print and scanning jobs are completed efficiently and accurately.

Scan-to-multiple destinations

Save time and effort by sending documents to multiple recipients with customized shortcuts that eliminate repetitive steps and avoid misdirection.

Help reduce paper consumption

With Flow-enabled MFPs scanning, editing, and sharing digitally, users are able to digitize and store paper records—helping them save paper for projects they truly need in hard copy.

Customizable and scalable solutions

Flexible printer configurations
and easy-to-scale solutions
meet evolving workforce needs
while optimizing workflows



Customized and tailored for your business

Easily expand capabilities with Hardware Integration Pocket⁸

Give workgroups what they need to succeed. Easily develop, deploy, and integrate HP and third-party solutions with HP Open Extensibility Platform. Add features such as card readers and more through the Hardware Integration Pocket.⁸

Upgrade device print speed at any time in your contract with a Speed License

Managed devices come with a base speed, and upgrade licenses can be added anytime. Fast license application through the cloud or offline methods optimizes performance. You can upgrade your license at any time to get more service value as your business requires.

Easy-to-scale solutions with advanced workflow capabilities to meet the demands of the evolving workforce.

Optimize your device to meet your business needs and your budget.

Select the document-feeding solution that works best for your team.

Choose storage options to handle data and documents stored on the device.

Faster and seamless digitization

A powerful collaboration hub that makes document digitization easier with fast scanning and cloud-based solutions



Build your best workflows

Start using cloud-connected HP Workpath apps to make your day-to-day easier by customizing print experiences, accessing personalized content, and easily integrating paper and digital workflows.⁹



Deploy third-party solutions

Give your team what they need to succeed. Easily deploy and integrate HP and third-party solutions with HP Open Extensibility Platform. Support card readers and the ability for users to walk up, swipe a badge, and use personalized settings to print from their queue.



Match color output needs

Make color management simple with HP Custom Color Manager.¹⁰ Match the color output of any document-device combination by simply pulling color profiles from the cloud. Get high-quality color profiles without the hassle of expensive color-matching systems.

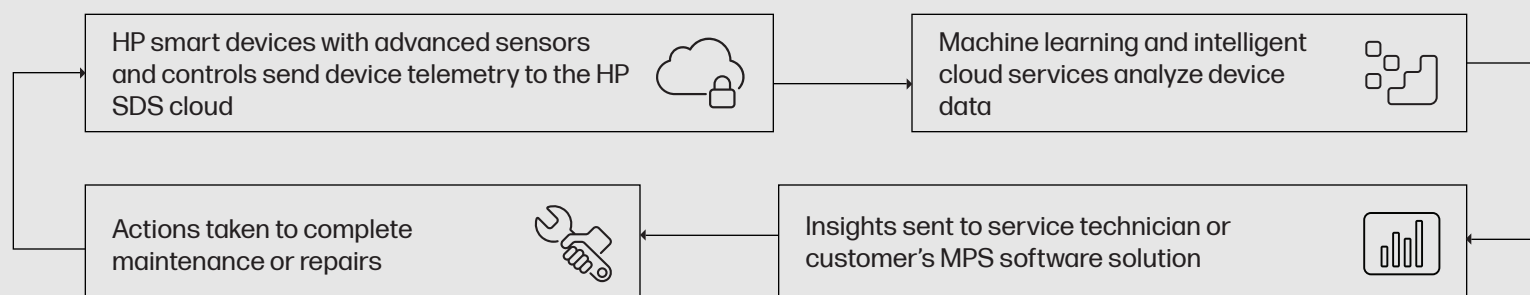
Smart Device Services—delivering maximum uptime and leading service experiences

HP smart devices and powerful cloud services help to reduce downtime, and eliminate loss of productivity. Let leading-edge printer and services technology maximize device uptime so you can focus on what matters most.



Minimize downtime with technology that allows service providers to pinpoint issues before there's a problem

How does HP Smart Device Services (SDS) work?



Always on guard with HP Wolf Security

HP Wolf Enterprise Security provides the world's most secure printing¹¹ that protects, detects, and adapts to new threats.

HP Sure Start checks the operating code

HP Sure Start works behind the scenes every time your printer powers on to validate its operating code (BIOS)—boot instructions for loading critical hardware components and initiating firmware. If a compromised version is discovered, the printer restarts with a safe 'golden copy' of its BIOS, so you're safeguarded from attacks.

HW-based Runtime Intrusion Detection monitors memory activity

Memory Shield™ and expanded Runtime Intrusion Detection protect the memory, including network, scanning, print, and fax applications. Active system monitoring helps you stay on guard with technology designed to meet and exceed international security standards. Continually checks for anomalies during complex firmware and memory operations, automatically stops intrusions, and reboots to initiate self-healing.¹²

HP Security Manager¹³

Easily set security configuration policies and automatically validate settings for enabled HP printers in your fleet. HP Security Manager offers an effective, policy-based approach to help secure HP printing and imaging devices.

200+ embedded features for tighter security¹⁴

Protect the information in transit over the network and stored on the device—keys, passwords, certificates, and more.

HP Connection Inspector examines network connections

The printer's network connections are inspected to stop malware from stealing data and compromising your network. HP Connection Inspector uses a unique HP technology that evaluates outgoing network connections to determine what's normal, stops suspicious requests to 'call home' to malicious servers, and automatically triggers a self-healing reboot.

Whitelisting automatically checks for authentic firmware

Firmware is automatically checked during start-up to determine if it's authentic, good code—digitally signed by HP. Whitelisting helps ensure firmware hasn't been tampered with because compromised code could expose your whole network to an attack. If an anomaly is detected, the printer reboots to a secure, offline state and notifies IT.

Stay alert with instant threat notifications¹⁵

Thwart potential attacks by receiving instant notification of possible security issues, to take immediate action. Works with leading SIEM tools including Splunk, Arcsight, and McAfee.

Embedded HP Trusted Platform Module for another layer of protection¹⁶

Safeguard information stored on the printer—keys, passwords, certificates, and more—using the embedded HP Trusted Platform Module.

Designed to make a statement

Make a statement and modernize your office with elegant designs and customizable color panels



Get out of the print room

Experience printing for the modern workplace by bringing printing closer to the people who use it. These redesigned printers and MFPS are engineered to meet the demands of today's hybrid workforce with features like scalable solutions, document management, and volume printing capabilities to keep workgroups productive. Functioning as a powerful collaboration hub, these devices make document digitization easier with fast scanning and cloud-based solutions—the ideal print solution for today's modern office.

Choose the color to suit your space

Complement any office décor. Modern industrial designs fit into any workspace and the option of five customizable color panels* helps to accentuate your workgroups' styles.

*Optional color panel kits are available as accessories

Next-generation HP Color LaserJets with TerraJet Toner Cartridges

Original HP TerraJet Toner, the next generation of toner, features efficient toner use and outstanding quality printing. Discern more printable, true-to-life colors, and sharper details in images from the innovative toner design.^{17,18}



Reduce

Responsibly designed

TerraJet Toner Cartridges have been redesigned for a lower carbon footprint during production and help enable less energy use when printing compared to the earlier generation.¹⁹ They also use less metal²⁰ and plastic in the cartridge, and less plastic in the cartridge packaging.²¹



Perform

Outstanding quality printing

Innovative toner particle design enables efficient toner use for outstanding print quality and faster print speeds. Get vibrant, natural-looking images and sharper details^{17,18} through consistent color with printer calibrations that take less time.²²



Protect

Security you can trust

Tamper-resistant HP firmware helps reduce the risk of malicious code entering the chip.²³ TerraJet Toner Cartridges are certified with the ISO/IEC 20243 standard for product integrity in the supply chain.²⁴

Supplies innovations to maximize profitability and drive predictable results

Breakthrough supplies technologies help reduce costs, optimize service experiences, and improve efficiency*.



 Two-part cartridge design* for higher yields	 Cartridge Access Control limits early cartridge replacement and wasted toner	 Toner cartridge is fully depleted at end of life*
 Low cost per page	 Reserve toner enables printing until cartridge replaced*	 Print test pages during preflight without pulling toner dam

HP commits to engineering the most sustainable portfolio of products & solutions and driving print innovation

HP aims to create print systems that deliver maximum performance with minimal impact while helping our customers meet their sustainability goals



Reduce your carbon footprint

HP helps you reduce your footprint by reducing carbon emissions in our products, including by improving resource efficiency, promoting features to reduce energy consumption and paper waste, and offering responsible reuse and recycling.

HP launched the planet's first comprehensive carbon-neutral Managed Print Services offering in 2020.²⁵ And with CarbonNeutral® product certification, HP provides partners a mechanism to make contractual obligations carbon-neutral in accordance with the CarbonNeutral Protocol.²⁶



Support workforce well-being

HP printing systems are voluntarily designed and tested in compliance with the indoor air quality criteria of top ecolabel standards like EPEAT and Blue Angel.²⁷



Conserve forests

HP's goal is to be Forest Positive* by 2030—helping to give back more than what you print, through our commitment to forest conservation. Our approach goes beyond planting trees—involving partnerships with recognized environmental organizations, designing products and services to reduce environmental impact, and sharing tools for more responsible printing.



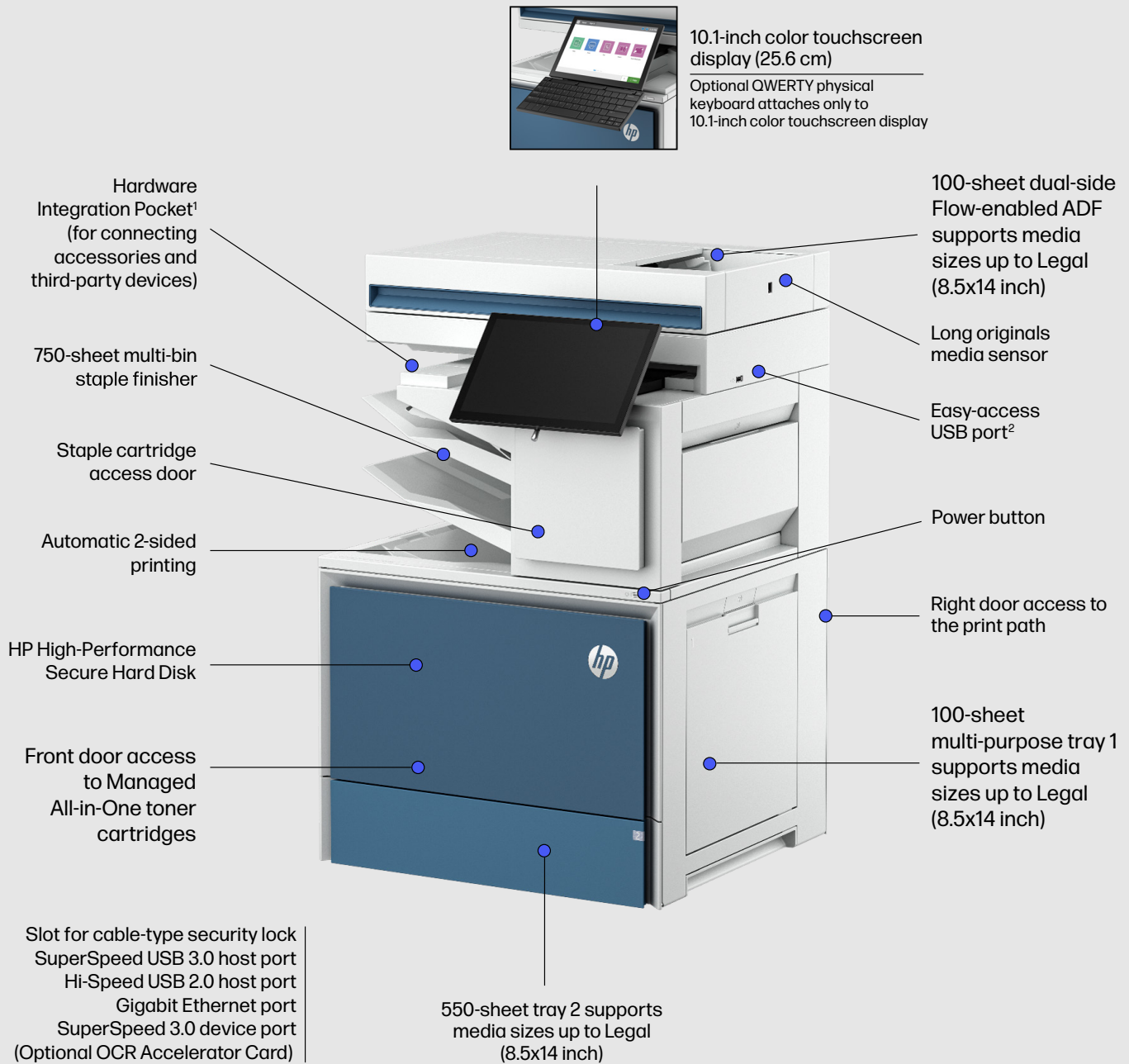
Drive a circular economy

HP commits to 75% of its total annual product and packaging content to come from recycled or renewable materials and reused products and parts by 2030.²⁸ HP offers solutions for your used IT equipment and supplies, enabling takeback and recycling programs in over 60 countries and territories worldwide, through its Planet Partners recycling program.²⁹

*HP works collaboratively with our partners including WWF and Conservation International to manage, restore, and protect forests in many countries around the world. With HP, every print—regardless of paper brand—is addressed through HP's Forest Positive Framework to counteract risks of deforestation. To learn more visit hp.com/forestfirst.

Get to know the HP Color LaserJet Enterprise X58045 Series*

HP Color LaserJet Enterprise Flow MFP X58045zs shown



*X58045 SKUs available in EMEA markets only (NWE, CEE, and SE/MEA). Contact Market Category for availability.

Series at a glance



Model	HP Color LaserJet Enterprise MFP X58045dn	HP Color LaserJet Enterprise Flow MFP X58045z	HP Color LaserJet Enterprise Flow MFP X58045zs
Product number	7E357A	7H5W6A	7H5W7A
Print speed (A4/Letter; black and color) ³	43/45 ppm	43/45 ppm	43/45 ppm
Control panel	8-inch color touchscreen display	10.1-inch color touchscreen display	10.1-inch color touchscreen display
Scan speed ⁴	50/100 ipm (simplex/duplex)	60/120 ipm (simplex/duplex)	60/120 ipm (simplex/duplex)
RMPV	Up to 15,000 pages per month	Up to 15,000 pages per month	Up to 15,000 pages per month
Input capacity	650/2,300 (std./max.)	650/2,300 (std./max.)	650/1,750 (std./max.)
Output capacity (standard)	250 sheets	250 sheets	750 sheets
Processor	Tri-core 1.2 GHz	Tri-core 1.2 GHz	Tri-core 1.2 GHz
Advanced workflow features	Embedded OCR ⁵	Yes	Yes
Workpath-enabled	Yes	Yes	Yes
Extensibility	HP FutureSmart 5, OXPd	HP FutureSmart 5, OXPd	HP FutureSmart 5, OXPd

Note: X58045 SKUs available in EMEA markets only (NWE, CEE, and SE/MEA). Contact Market Category for availability.

Footnotes

1. Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.
2. An administrator must enable the easy-access USB port before use.
3. Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see hp.com/go/printer claims. The exact speed varies depending on the system configuration, software application, driver, and document complexity.
4. Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
5. Requires HP FutureSmart 5.8.11 or later.

Disclaimers and trademarks

Legal footnotes

1. HP Security is now HP Wolf Security. Security features vary by platform, please see the product data sheet for details.
2. Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. Measured using standards found at: http://standards.iso.org/ittf/PubliclyAvailableStandards/SC28_Test_Pages/.
3. Measured using ISO/IEC 24734, excludes the first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. The exact speed varies depending on the system configuration, software application, driver, and document complexity.
4. Results based on testing and performance conducted by Keypoint Intelligence in April 2022. Testing and evaluation completed servicing of the 10 most common service parts identified in managed print provider service records. Results found HP Color LaserJet X500/5000 and X600/6000 series completed servicing in 10 minutes or less.
5. OCR Capabilities are only available on HP MFP SKUs.
6. HP does not endorse the use of a simple signature as a legally binding digital signature in all jurisdictions; please check your local laws for enforceability of simple signatures if intending to use a simple signature as a binding signature.
7. The optional physical keyboard is only available on MFP Devices with a 10.1-inch control panel. See product data sheets for supported SKU bundles.
8. Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchases.
9. For compatible Workpath apps support, additional memory of 2GB (X500 Series) or 4GB (X600 Series) DIMM is required on single-function devices only. Not all MFPs may be compatible with Workpath apps. To enable HP Workpath, some devices may require optional accessories or firmware to be upgraded. Not all apps may be available in all locations. A subscription may be required. Personalized content and integration functions apply to supported HP Workpath apps only.
10. Available through HP Sales Support and HP Partners. Contact your HP or your Partner Representative to learn more about Custom Color Manager.
11. 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 2023 published features of competitive in-class printers. Only HP offers a combination of security features to automatically detect, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. For a list of compatible products, visit: [hp.com/go/PrinterSecurityClaims](http://www.hp.com/go/PrinterSecurityClaims). For more information, visit: <http://www.hp.com/go/printersecurityclaims>
12. Memory Shield is available on the HP Color/Mono LaserJet Enterprise M400 series, the HP Mono/Color LaserJet E40000 series, and any future HP Enterprise LaserJet devices running FS 5.4 or later.
13. HP Security Manager must be purchased separately. To learn more, please visit hp.com/go/securitymanager.
14. Some features require additional purchases. A FutureSmart service pack update may be required to activate security features. Learn more at hp.com/go/printsecurity.
15. Instant threat notifications can appear on the device control panel when a potential threat occurs from malicious intent or there is a bug or vulnerability in the firmware code of the device.
16. Use of the HP Trusted Platform Module may require a firmware upgrade.
17. Standard print mode for HP Color LaserJet Pro and Enterprise series with HP TerraJet Toner Cartridges compared to predecessors. See hp.com/TerraJet/colors.
18. Premium mode offers more colors compared to Standard Mode; varies between cartridge series. See hp.com/TerraJet/colors.
19. See hp.com/TerraJet/plasticreductions
20. Metal reduction calculated per page based on cartridge weight in grams and stated yield in HP TerraJet Cartridges compared to predecessors. See hp.com/TerraJet/metalreductions.
21. Plastic reduction in cartridge and in packaging calculated based on cartridge and packaging weight compared to predecessors. See hp.com/TerraJet/plasticreductions.
22. Printer calibrations take less time in HP Color LaserJet Pro and Enterprise series with HP TerraJet Toner Cartridges compared to predecessors. See hp.com/TerraJet/efficiency.
23. HP office-class printing systems are select Enterprise and Managed devices with FutureSmart firmware 4.5 and up, Pro devices, LaserJet models 200 and up, with respective Original HP Toner, PageWide and Ink Cartridges. Does not include HP integrated printhead cartridges. Digital supply-chain tracking, hardware, chips, and packaging security features vary locally by SKU. See hp.com/cartridgesecurity.
24. See ISO/IEC 20243:2018 Open Trusted Technology Provider™ Standard Certification Register: certification.opengroup.org/register/ottps-certification.
25. Based on results of third-party (WSP) research for HP of OEM MPS providers with carbon neutral offers as of June 2020. "Comprehensive" means the planet's only globally certified carbon-neutral MPS service that covers lifecycle emissions due to raw material extraction, manufacturing, transportation, use of HP printers, Original HP supplies, paper, and end of service.
26. Natural Capital Partners, The CarbonNeutral Protocol, 2020 edition, <https://www.carbonneutral.com/thecarbonneutral-protocol>.
27. An HP printing system consists of an HP printer, paper, and Original HP supply. Blue Angel DE-UZ 205 emissions criteria or earlier versions of criteria applicable when the printing system launched.
28. HP Sustainable Impact Report 2021 p. 67. <http://www.hp.com/sustainableimpact>.
29. Program availability varies. For details see <http://www.hp.com/recycle>.

Images of printers and accessories may differ from actual products depending on country regulations. For more information on what accessories are included please visit hp.com.

