Datasheet

HP Smart Tank 5104 AiO Printer

The smarter, more connected tank printer

A printer perfect for families, HP Smart Tank 5104 refillable all-in-one printer. Designed to be intuitively smart and comes with up to 3 years of ink, giving families flexibility to print all they need. Stay connected with worry free Wi-Fi and easy setup using HP Smart App.[3,4,6,9]



ISO Speed: Black: Up to 12 ppm; Color: Up to 5 ppm
Print Resolution: Black (best): 1200 x 1200 rendered dpi; Color (best): Up to 4800 x 1200 optimized dpi color (when printing from a computer and 1200 input dpi)
Scan Resolution: Hardware: Up to 1200 x 1200 dpi; Optical: Up to 1200 dpi
Copy Resolution: Black (text & graphics): Up to 600 dpi; Color (text & graphics): Up to 600 dpi
Standard Connectivity: 1 Hi-Speed USB 2.0 (device); 1 Wi-Fi 802.11b/g/n; 1 Wi-Fi Direct
Mobile Printing Capability: HP Smart app; Apple AirPrint; Mopria Print Service; HP Print Service Plugin (Android printing); Wi-Fi Direct Printing
Duty cycle: Monthly (letter): Up to 3,000 pages
Display: 33 segments + 1.2-inch iCON LCD Display
Paper Handling: 100-sheet input tray; 30-sheet output tray

Smart tank value

- Up to three years of ink keeps you printing at a fraction of the cost [3,9]
- Get all the ink you need out of the box with up to 12,000 black pages or 6,000 color pages
- Ink sensors help prevent costly printhead replacements

Ready when you are

- Stay connected and keep printing with self-healing Wi-Fi [4]
- Print and scan on the go from any mobile device [5]
- Easy to print, scan, and mobile fax from any device with best-in-class Print App [4,1]

Conveniently intuitive

- Easy mobile-guided setup [5]
- Up to three years of printing included at an ultra-low cost per page[8]
- Color-coded, mess-free recyclable bottles for easy refill [7]

[1] Compared to OEM printing apps for the majority of top-selling, network-capable inkjet/laser printers and all-in-ones for the home and office, priced ≤$450 USD. Printers selected by market share as reported by IDC Quarterly Hardcopy Peripherals Tracker – Final Historical CYQd 2021. Claim based on research of printer manufacturer's print apps and Keypoint Intelligence hands-on testing and study commissioned by HP, July 2022. For details, please see: http://keypointintelligence.com/HPSmartApp [2] Based on HP's internal analysis of wireless ink tank printers. More connected based on self-healing WiFi, WiFi direct, and mobile print, scan, and fax capabilities through the HP app as of January 2023. [3] Based upon 200 pages per month of HP Smart Tank customers' usage. Actual yield varies considerably based on content of printed pages and other factors. Average based on ISO/IEC 24711 or HP testing methodology and continuous printing. Some ink from included bottles is used to start up the printer. For details, see: www.hp.com/go/learnaboutsupplies [4] Wireless operations are compatible with 2.4 GHz operations only. Learn more at www.hp.com/go/mobileprinting. Wi-Fi is a registered trademark of Wi-Fi Alliance®. [5] Requires the HP app download. For details on local printing requirements see www.hp.com/go/mobileprinting . Certain features/software are available in English language only and differ between desktop and mobile applications. Subscription may be required; subscription may not be available in all countries. For details, see: www.HPSmart.com . Internet access required and must be purchased separately. HP account required for full functionality. List of supported operating systems available in app stores. Fax capabilities are for sending a fax only. [6] HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade. [7] Ink bottles can be recycled through HP's Planet Partner Program. Program availability varies. See http://hp.com/go/recycle [8] Based upon 200 pages per month of HP Smart Tank customers' usage. Actual yield varies considerably based on content of printed pages and other factors. Average based on ISO/IEC 24711 or HP testing methodology and continuous printing. Some ink from included bottles is used to start up the printer. For details, see: www.hp.com/go/learnaboutsupplies [9] Black and composite color average per bottle (cyan/magenta/yellow) results based on HP methodology and continuous printing of ISO/IEC 24712 test pages. Not based on ISO/IEC 24711 test process. An additional black ink bottle is required to print 6000 color test pages. Actual yield varies based on content of printed pages and other factors. Some ink from included bottles is used to start up the printer. For details, see: www.hp.com/go/learnaboutsupplies .

HP Smart Tank 5104 AiO Printer Technical specifications

Functions	Print, copy, scan
Multitasking supported	No
Print speed[5]	**Black (ISO):** Up to 12 ppm; **Color (ISO):** Up to 5 ppm; **Draft black (A4 Memo):** Up to 30 ppm; **Draft color (A4 Memo):** Up to 24 ppm
Print resolution	**Black (best):** Up to 1200 x 1200 rendered dpi; **Color (best):** Up to 4800 x 1200 optimized dpi color (when printing from a computer and 1200 input dpi)
Print technology	HP Thermal Inkjet
Print cartridges number	5 (2 each black bottle, set of 3 color bottles)
Borderless printing	Yes (up to 8.5 x 11 in, 210 x 297 mm)
Standard print languages	HP PCL 3 GUI; HP PCLm (HP Apps/UPD); URF (AirPrint)
Scan type / Scan technology	Flatbed only / Contact Image Sensor (CIS)
Scan resolution	**Hardware:** Up to 1200 x 1200 dpi; **Optical:** Up to 1200 dpi
Scan file format	JPG; PDF; PNG; TIFF; HEIF
Scan input modes	Copy; HP Software; EWS
Scan size maximum	**Flatbed** 8.5 x 11.69 in ; 216 x 297 mm
Bit depth / Grayscale levels	24-bit/ 256
Digital sending standard features	Scan to file (from software); HP Smart Tasks
Copy speed[4]	**Black (ISO):** Up to 10 cpm; **Color (ISO):** Up to 2 cpm
Copy resolution	**Black (text and graphics):** Up to 600 dpi; Up to 600 dpi; **Color (text and graphics):** Up to 600 dpi
Maximum number of copies	Up to 99 copies
Copier settings	Actual size; Binding Margin; Color; Black; ID Copy; Resize; Quality (Draft/Normal/Best); Enhancement; Lighter/Darker; Number of Copies
Copier resize	Via HP app
Fax Features	**Junk barrier supported:** No
Standard connectivity	1 Hi-Speed USB 2.0 (device); 1 Wi-Fi 802.11b/g/n; 1 Wi-Fi Direct
Network capabilities	Yes (via WiFi)
Wireless capability	Yes, built-in Wi-Fi 2.4G, Wi-Fi Direct
Mobile printing capability[3]	HP app; Apple AirPrint; Mopria Print Service; HP Print Service Plugin (Android printing); Wi-Fi® Direct Printing
Memory	**Standard:** 64 MB Integrated DDR1; **Maximum:** 64MB
Processor speed	980 MHz/**Hard disk:** No
Duty cycle	**Monthly, letter:** Up to 3,000 pages; **Monthly, A4:** Up to 3,000 pages
Recommended monthly page volume	400 to 800
Media types supported	Plain paper, Matte Brochure Papers, Glossy Brochure Papers, Photo papers, Envelopes, Other specialty inkjet papers
Media weight supported	Plain paper: 16 to 24 lb; Envelopes: 20 to 24 lb; Cards: up to 110 lb; Photo paper: up to 80 lb
Media sizes supported	Letter; legal; 4 x 6 in; 5 x 7 in; 8 x 10 in; No. 10 envelopes
Media Sizes Custom	3.5 x 5 in to 8.5 x 14 in
Paper handling	**Input Capacities:** Up to 100 sheets Standard; Up to 10 envelopes; Up to 30 cards; Up to 100 sheets Legal **Output Capacities:** Up to 30 sheets Standard; Up to 10 envelopes; Up to 30 cards; Up to 30 sheets Legal **Duplex Options:** Manual (driver support provided) **Envelope feeder:** No **Standard paper trays:** 1
What's in the box	**5D1B9A** HP Smart Tank 5104 All-in-One Printer; 2x HP 32XL Black Original Ink Bottle (135ml); HP 31 Cyan Original Ink Bottle (50ml); HP 31 Magenta Original Ink Bottle (50ml); HP 31 Yellow Original Ink Bottle (50ml); HP Black Printhead; HP Tri-color Printhead; Setup Guide, Reference Guide, Ink Caution flyer; Regulatory flyer; Warranty flyer; Power Cord; For more information about fill and yield, see http://www.hp.com/go/learnaboutsupplies .
Replacement cartridges[6]	HP 32XL 135-ml Black Original Ink Bottle 1VV24AN; HP 31 Cyan Original Ink Bottle 1VU26AN; HP 31 Magenta Original Ink Bottle 1VU27AN; HP 31 Yellow Original Ink Bottle 1VU28AN. For more information about fill and yield, see http://www.hp.com/go/learnaboutsupplies .
Product dimensions	**W x d x h:** 17.11 x 14.23 x 6.19 in /434.66 x 361.53 x 157.26 mm ; **Maximum:** 17.11 x 22.86 x 10.21 in /434.66 x 580.65 x 259.37 mm
Product weight	11.09 lb
Warranty features	One-year or 30,000 pages limited hardware warranty, whichever is earlier from the date of purchase. For more info please visit us at http://support.hp.com
Energy efficiency compliance	ENERGY STAR® certified
Energy star certified	Yes
Sustainable impact specifications	45% post-consumer recycled plastic; ENERGY STAR® certified; EPEAT® registered
Control panel	Power On/Off, Cancel, Resume, Color Copy, Black copy, ID copy, WI-FI and Info button
Display description	33 segments + 1.2-inch iCON LCD Display
Software included	HP Printer Software
Compatible operating systems	Windows 11; Windows 10; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; macOS 13 Ventura; macOS 14 Sonoma; macOS 15 Sequoia
Compatible network operating systems	Windows 11; Windows 10; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; macOS 13 Ventura; macOS 14 Sonoma; macOS 15 Sequoia
Minimum system requirements	**PC:** Microsoft® Windows® 11, 10; 2 GB available hard disk space, Internet connection, Microsoft® Internet Explorer or Edge.; **Mac:** Apple® macOS 10.15 Catalina, macOS 11 Big Sur, macOS 12 Monterey; 2 GB HD; Internet required, macOS 13 Ventura; macOS 14 Sonoma; macOS 15 Sequoia
Power[2]	**Power supply type:** Internal built in; **Power requirements:** Input voltage 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz). High voltage: Input voltage 200 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3Hz); **Power consumption:** 0.109 watts (manual-Off), 3.023 watts (ready), 1.096 watt (sleep)
Acoustics	**Acoustic power emissions:** 6.4 B(A); **Acoustic pressure emissions:** 56.8 dBA
Operating environment	**Operating temperature range:** 41 to 104°F; **Recommended operating temperature:** 59 to 86°F; **Storage temperature range:** -40 to 140°F; **Non-operating humidity range:** 5 to 90% RH (non-condensing); **Operating humidity range:** 15 to 80% RH (non-condensing); **Recommended humidity operating range:** 20 to 80% RH
Accessories	None
Country of origin	Made in Thailand

Learn more at
hp.com

[1] Dimensions vary as per configuration [2] 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. [3] Wireless performance is dependent upon physical environment and distance from the access point. Wireless operations are compatible with 2.4 GHz routers only; excludes wireless direct. Wireless direct may require driver or apps be installed and connected on wireless-enabled mobile device or PC. Wireless functionality may vary by computer and mobile operating systems, see http://hpconnected.com . Print times and connection speeds may vary. Apple, AirPrint, Mac, and macOS are trademarks of Apple Inc., registered in the U.S. and other countries. Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards. Windows is a trademark of the Microsoft group of companies. Mopria®, the Mopria® Logo, and the Mopria Alliance™ word mark and logo are registered and/or unregistered trademarks and service marks of Mopria Alliance, Inc. in the United States and other countries. Unauthorized use is strictly prohibited [4] Speed specifications have been updated to reflect current industry testing methods. [5] Either after first page or after first set of ISO test pages. For details see: http://hp.com/go/printerclaims. [6] Average based on ISO/IEC 24711 or HP testing methodology and continuous printing. Actual yield varies considerably based on content of printed pages and other factors. For details see http://hp.com/go/learnaboutsupplies [7] Based on HP internal A4 Memo draft document methodology. For details see https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-4168ENW . [10] Program availability varies. For details, see http://www.hp.com/recycle. [11] Post-consumer recycled is based on the definition set in the EPEAT standard for imaging equipment, IEEE 1680.2, and is expressed as percent of total weight of plastic.

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July 2025