

# HP Smart Tank 5100 All-in-One Printer



## The Last Printer You'll Ever Need

Refillable, cartridge-free printing from America's most trusted printer brand.<sup>4</sup> Perfect for affordable printing of everyday documents with up to 3 years of ink included.<sup>1</sup>



**ISO Speed:** Black: Up to 12 ppm; Color: Up to 5 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)  
**Scan Resolution:** Hardware: Up to 1200 x 1200 dpi; Optical: Up to 1200 dpi  
**Copy Resolution:** Black (text and graphics): Up to 600 dpi/Color (text and 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 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; Monthly, A4: Up to 3,000 pages  
**Display:** 1.2-inch iCON LCD Display  
**Paper Handling:** Input Capacities: Up to 100 sheets Standard; Output Capacities: Up to 30 sheets Standard

### Up to 3 years of vibrant ink included.<sup>1</sup>

- Up to 3 years of ink included so you can print what you want without constant supply runs.<sup>1</sup>
- Print thousands of pages for all your printing needs at extremely low costs.<sup>1</sup>

### The easiest tank printer you'll ever use.<sup>2</sup>

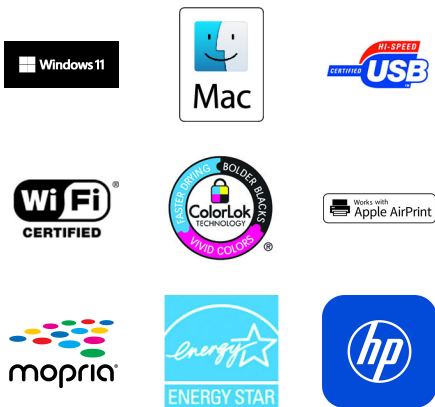
- Fastest tank printer setup, with competitors taking 52% longer on average.<sup>2</sup>
- Stay connected with self-healing Wi-Fi® that automatically detects and resolves connection issues.<sup>7</sup>
- Innovative ink bottle design delivers the cleanest, easiest refill experience.<sup>2</sup>

### Best print quality.<sup>3</sup> Period.

- Achieved print quality ratings 31% higher than the average of competing brands.<sup>3</sup>
- Cleaner, crisper text and truer colors—plus up to 6× higher ink-nozzle density for greater detail.<sup>3,5</sup>

### Simplify tasks with HP AI.

- Enhance productivity.
- Personalize experiences.
- Unleash creativity.



<sup>1</sup> 3 years of ink included for skus offering up to 8700 total pages based upon 240 pages per month of HP Smart Tank customers' usage. 3 years of ink included for skus offering up to 6500 total pages based upon 180 pages per month of HP Smart Tank customers' usage. Actual yield varies considerably based on content of printed pages and other factors. Average yield 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](http://www.hp.com/go/learnaboutsupplies). <sup>2</sup> Compared to the majority of in-class 3:1 and 4:1 duplex, wireless A4 ink tank printers under \$500 USD. Printers selected by market share as reported by IDC Quarterly Hardcopy Peripherals Tracker-Final Historical CYQ3 2025. Claim based on publicly available information as of December 2025 and Keypoint Intelligence hands-on testing and study commissioned by HP in December 2025. For details: [keypointintelligence.com/HPeasiesttoUseTank](https://keypointintelligence.com/HPeasiesttoUseTank). <sup>3</sup> Commissioned by HP Inc., this Keypoint Intelligence consumer study determined that HP inkjet tank printers provide the best everyday print quality compared to competitive inkjet tank printers from Brother, Canon, and Epson. All devices are available in the market and are currently active. Prices range from \$199 to less than \$500 and all competitive products fall within the same category as the HP printers. The competitors were chosen because they represent the top 80% of the competitive landscape for 3:1 and 4:1 wireless A4 inkjet tank printers under \$500 USD, as reported by the IDC Quarterly Hardcopy Peripherals Tracker-Final Historical CYQ3 2025. Samples were printed in the United States and then reviewed by consumers in the US, Mexico, the United Kingdom, and China. Details: [www.keypointintelligence.com/hpbesteverydayprintquality](https://www.keypointintelligence.com/hpbesteverydayprintquality). <sup>4</sup> Based on 2025 semi-annual internal brand surveys commissioned by HP. <sup>5</sup> Compared to alternative inkjet technologies. For details, see: <https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-4527EEW>. <sup>6</sup> Requires optional HP AI software to use artificial intelligence (AI). Certain HP AI features are available in English only, and may vary by printer model/country, and between desktop/mobile applications. Requires HP app or HP Easy Start and being signed into your HP account or Smart Admin account. Internet access is required. Some features may be beta apps. HP reserves the right to charge for these and additional services in the future in accordance with the HP AI Terms of Service. To learn more, visit [hp.com/HP\\_AI](http://hp.com/HP_AI). <sup>7</sup> Internet access required and must be purchased separately. Wireless operations compatible with 2.4 GHz only. Learn more at [www.hp.com/go/mobileprinting](http://www.hp.com/go/mobileprinting).

# HP Smart Tank 5100 All-in-One Printer Technical specifications

|   |  |
|---|--|
| Functions                                 | Print, copy, scan  |
| Multitasking supported                    | No   |
| Print speed <sup>5</sup>                  | <b>Black (ISO):</b> Up to 12 ppm; <b>Color (ISO):</b> Up to 5 ppm; <b>Draft black (A4 Memo):</b> Up to 30 ppm; <b>Draft color (A4 Memo):</b> Up to 24 ppm          |
| Print resolution                          | <b>Black (best):</b> Up to 1200 x 1200 rendered dpi; <b>Color (best):</b> 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                   | 4 (1 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                           | <b>Hardware:</b> Up to 1200 x 1200 dpi; <b>Optical:</b> Up to 1200 dpi   |
| Scan file format                          | JPG; PDF; PNG; TIFF; HEIF  |
| Scan input modes                          | Copy; HP Software; EWS   |
| Scan size maximum                         | <b>Flatbed</b> 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 <sup>4</sup>                   | <b>Black (ISO):</b> Up to 10 cpm; <b>Color (ISO):</b> Up to 2 cpm  |
| Copy resolution                           | <b>Black (text and graphics):</b> Up to 600 dpi; <b>Color (text and graphics):</b> 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                              | <b>Junk barrier supported:</b> 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 <sup>3,9</sup> | HP app; Apple AirPrint; Mopria Print Service; HP Print Service Plugin (Android printing); Wi-Fi® Direct Printing   |
| Memory                                    | <b>Standard:</b> 64 MB Integrated DDR1; <b>Maximum:</b> 64MB   |
| Processor speed                           | 980 MHz/ <b>Hard disk:</b> No  |
| Duty cycle                                | <b>Monthly, letter:</b> Up to 3,000 pages; <b>Monthly, A4:</b> 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                       | <b>Input Capacities:</b> Up to 100 sheets Standard; Up to 10 envelopes; Up to 30 cards; Up to 100 sheets Legal<br><b>Output Capacities:</b> Up to 30 sheets Standard; Up to 10 envelopes; Up to 30 cards; Up to 30 sheets Legal<br><b>Duplex Options:</b> Manual (driver support provided)<br><b>Envelope feeder:</b> No<br><b>Standard paper trays:</b> 1  |
| What's in the box                    | <b>9B2D1A</b> HP Smart Tank 5100 All-in-One Printer; 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 <a href="http://www.hp.com/go/learnaboutsupplies">http://www.hp.com/go/learnaboutsupplies</a> . |
| Page yield (set-up/inbox cartridges) | ~6000 pages black, ~6,000 pages cyan, magenta, yellow composite yield   |
| Page Yield in Draft Mode             | (B1H)~8,000 pages Black, ~9,200 pages Color   |
| Product dimensions                   | <b>W x d x h:</b> 17.11 x 14.23 x 6.19 in / 434.66 x 361.53 x 157.26 mm ; <b>Maximum:</b> 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 <a href="http://support.hp.com">http://support.hp.com</a>  |
| 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          | <b>PC:</b> Microsoft® Windows® 11, 10; 2 GB available hard disk space, Internet connection, Microsoft® Internet Explorer or Edge.; <b>Mac:</b> 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 <sup>2</sup>                   | <b>Power supply type:</b> Internal built in; <b>Power requirements:</b> 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); <b>Power consumption:</b> 0.109 watts (manual-Off), 3.023 watts (ready), 1.096 watt (sleep)  |
| Acoustics                            | <b>Acoustic power emissions:</b> 6.4 B(A); <b>Acoustic pressure emissions:</b> 56.8 dBA   |
| Operating environment                | <b>Operating temperature range:</b> 41 to 104°F; <b>Recommended operating temperature:</b> 59 to 86°F; <b>Storage temperature range:</b> -40 to 140°F; <b>Non-operating humidity range:</b> 5 to 90% RH (non-condensing); <b>Operating humidity range:</b> 15 to 80% RH (non-condensing); <b>Recommended humidity operating range:</b> 20 to 80% RH   |
| Country of origin                    | Thailand  |

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<sup>1</sup> Dimensions vary as per configuration <sup>2</sup> 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. <sup>3</sup> 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://hp.com/go/learnaboutsupplies>. <sup>4</sup> 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. <sup>5</sup> Speed specifications have been updated to reflect current industry testing methods. <sup>6</sup> Either after first page or after first set of ISO test pages. For details see <http://hp.com/go/printerclaims>. <sup>7</sup> 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>. <sup>8</sup> Based on HP Internal A4 Memo draft document methodology. For details see <https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-4168ENW>. <sup>9</sup> Draft page yields are approximate and were measured using "Draft" print-quality settings in the Windows/Mac driver, based on HP Methodology from the simulation of continuous printing of ISO/IEC 24712 pages. Actual page yield varies significantly depending on content printed, ink levels maintained in all four reservoirs, and other factors. For more information about fill and yield, see <https://hp.com/go/learnaboutsupplies>. <sup>10</sup> HP Smart and myHP are now the HP app, available for download on Windows 10 or 11 PCs; macOS computers; and for Apple and Android mobile phones and tablets. Windows PCs do not support print features at launch. Android not supported in China at launch. The HP app requires download available at [www.hp.com/hp-app](http://www.hp.com/hp-app). Not all HP devices, services, apps are available in the HP app. Certain features are available in English language only, and may vary by printer and PC model/country, and between desktop/mobile applications. HP reserves the right to introduce charges for use of select HP app functionality. Internet access required. HP account required for full functionality. Fax sending capability only. Live chat and phone support are available during business hours and varies by country. Chat service is localized in supported regions, and where not supported, will default to English. Supported conferencing features vary by device and device configuration. For complete Terms of Service see: [www.hp.com/hp-app-terms-of-use](http://www.hp.com/hp-app-terms-of-use). <sup>11</sup> Program availability varies. For details, see <http://www.hp.com/recycle>. <sup>12</sup> 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.

