Datasheet

HP Smart Tank 7603 All-in-One Printer

The Last Printer You'll Ever Need

Refillable, cartridge-free printing from America's most trusted printer brand.[4] Perfect for staying productive across work and home printing—delivers reliable results for work and personal documents with up to 3 years of ink included.[1]

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 & graphics): Up to 600 dpi; Color (text & graphics): Up to 600 dpi
Fax Resolution: Black (best): Up to 300 x 300 dpi; Color (best): 200 x 200 dpi
Standard Connectivity: 1 Fax; 1 USB Host (print JPEG only); 1 Hi-Speed USB 2.0 (host); 1 Wi-Fi 802.11a/b/g/n; 1 Wi-Fi 802.11ac (dual band); 1 Ethernet
Mobile Printing Capability: HP Smart app; Apple AirPrint™; Chrome OS; Mopria-certified; Wireless direct printing
Duty cycle: Monthly (letter): Up to 6,000 pages **Display:** 3.0" Touchscreen MGD (Mono Graphics Display) **Paper Handling:** 250-sheet input tray; 100-sheet output tray

Up to 3 years of vibrant ink included.[1]

- Up to 3 years of ink included—print work documents and personal files without constant supply runs.[1]
- Print thousands of pages for all your printing needs at extremely low costs.[1]

Best print quality.[3] Period.

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

The easiest tank printer you'll ever use.[2]

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

Simplify tasks with HP AI.

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

[1] 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 . [2] 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 . [3] 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 . [4] Based on 2025 semi-annual internal brand surveys commissioned by HP. [5] Compared to alternative inkjet technologies. For details, see: https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-4527EEW . [6] 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 . [7] HP Smart Tank Printers have self-healing Wi-Fi®. Internet access required and must be purchased separately. Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations. Learn more at www.hp.com/go/mobileprinting .

HP Smart Tank 7603 All-in-One Printer Technical specifications

Functions	Print, Copy, Scan, Fax, ADF and Wireless
Multitasking supported	No
Print speed[5]	**Black (ISO):** Up to 15 ppm; **Color (ISO):** Up to 9 ppm; **Color (draft):** Up to 22 ppm; **Draft black (A4 Memo):** Up to 30 ppm; **Draft color (A4 Memo):** Up to 28 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
Borderless printing	Yes (up to 8.5 x 11 in, 210 x 297 mm)
Standard print languages	HP PCL 3 GUI
Printer smart software features	Duplex Printing
Scan type / Scan technology	Flatbed and ADF / 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
Scan input modes	Front Panel Scan; Copy; Fax; HP Software; EWS
Scan size maximum	**ADF** 8.5 x 14 in ; 216 x 356 mm ; **Flatbed** 8.5 x 11.69 in ; 216 x 297 mm
Scan speed	Up to 8 ipm (200 ppi, mono); Up to 3.5 ipm 200 ppi, color)
Scanner advanced features	No
Bit depth / Grayscale levels	24-bit/ 256
Copy speed[4]	**Black (ISO):** Up to 13 cpm; **Color (ISO):** Up to 6 cpm
Copy resolution	**Black (text and graphics):** Up to 600 dpi; Up to 600 dpi; **Color (text and graphics):** Up to 600 x 600 dpi
Maximum number of copies	Up to 99 copies
Copier settings	Number of Copies, Access copier settings of Resize, Quality, Lighter/Darker, Papersize, Papertype settings via HP Smart
Copier resize	25 to 400%
Fax resolution	**Black (best):** Up to 300 x 300 dpi; **Color (best):** 200 x 200 dpi; **Black (standard):** 203 x 98 dpi; **Color (standard):** 200 x 200 dpi
Fax speed	4 sec per page
Fax smart software features	Yes
Fax Features	**Fax memory Letter:**Up to 100 pages; **Fax memory A4:**Up to 100 pages; **Auto fax reduction supported:** Yes; **Auto-redialing:** Yes; **Fax phone features:** Yes; **Fax delayed sending:** Yes; **Distinctive ring detection supported:** Yes; **Fax forwarding supported:** Yes; **Fax phone TAM interface supported:** No; **Fax polling supported:** No; **Fax telephone mode supported:** Yes; **Junk barrier supported:** Yes; **Maximum speed dialing numbers:** Up to 99 numbers; **PC interface supported:** Yes, PC fax send and archive; **Remote retrieval capability supported:** No; **Telephone handset supported:** No
Standard connectivity	1 Fax; 1 USB Host (print JPEG only); 1 Hi-Speed USB 2.0 (host); 1 Wi-Fi 802.11a/b/g/n; 1 Wi-Fi 802.11ac (dual band); 1 Ethernet
Network capabilities	Yes, via built-in Ethernet; Wi-Fi
Wireless capability	Yes, 2.4/5G dual band Wi-Fi, Wi-Fi Direct
Mobile printing capability[3]	HP app; Apple AirPrint™; HP Print Service Plugin (Android printing); Wi-Fi® Direct Printing
Memory	**Standard:** 256 MB; **Maximum:** 256 MB
Processor speed	800 MHz
Duty cycle	**Monthly, letter:** Up to 6,000 pages; **Monthly, A4:** Up to 6,000 pages
Recommended monthly page volume	400 to 1200
Media types supported	Plain Paper, HP Photo Papers, HP Matte Brochure or Professional Paper, HP Matte Presentation Paper, HP Glossy Brochure or Professional Paper, Other Photo Inkjet Papers, Other Matte Inkjet Papers, Other Glossy Inkjet Papers, Light/Recycled

Media weight supported	Plain paper: 16 to 28 lb; Envelopes: 20 to 24 lb; Cards: up to 110 lb; Photo paper: up to 66 lb
Media sizes supported	Letter; Legal; Government Legal; Executive; Statement; 4 x 6 in; 5 x 7 in; 8 x 10 in; L; Photo 2L; Envelope(#10, Monarch, 5.5 bar); Card (4 x 6 in, 5 x 8 in)
Media Sizes Custom	3.5 x 5 in to 8.5 x 14 in
Paper handling	**Input Capacities:** Up to 250 sheets Standard; Up to 30 envelopes; Up to 30 cards; Up to 250 sheets Legal **Auto Document Feeder:** Standard, 35 sheets **Output Capacities:** Up to 100 sheets Standard; Up to 30 envelopes; Up to 30 cards; Up to 50 sheets Legal **Duplex Options:** Automatic **Envelope feeder:** No **Standard paper trays:** 1
What's in the box	**D34F7A** HP Smart Tank 7603 All-in-One Printer; HP 32XL Black Original Ink Bottle; HP 31 Cyan Original Ink Bottle; HP 31 Magenta Original Ink Bottle; HP 31 Yellow Original Ink Bottle; HP Black Printhead; HP Tri-color Printhead; Power cord; Ink caution flyer; Setup guide; Reference guide; Regulatory flyer; Warranty flyer [For more information about fill and yield, see http://www.hp.com/go/learnaboutsupplies]
Page yield (set-up/inbox cartridges)	~6000 pages black, ~8,700 pages cyan, magenta, yellow composite yield
Page Yield in Draft Mode	(B1H)~7,600 pages Black, ~9,600 pages Color
Replacement cartridges[6]	HP 32XL 135-ml Black bottle (~6000 pages), HP 31 70-ml Cyan bottle (~8000 pages), HP 31 70-ml Magenta bottle (~8000 pages), HP 31 70-ml Yellow bottle (~8000 pages); For more information about fill and yield see www.hp.com/go/learnaboutsupplies
Product dimensions	**W x d x h:** 16.83 x 14.33 x 9.46 in /42.75 x 36.40 x 24.03 cm ; **Maximum:** 17.86 x 17.35 x 9.83 in /453.55 x 440.73 x 249.63 mm
Product weight	16.98 lb
Warranty features	One year limited hardware warranty from the date of purchase; For more info please visit us at http://support.hp.com
Sustainable impact specifications	25% post-consumer recycled plastic; Recyclable through HP Planet Partners
Control panel	3 in (76.2 mm) Touchscreen MGD (Mono Graphics Display), touch button (cancel, help, back)
Display description	3 in (76.2 mm) Touchscreen MGD (Mono Graphics Display)
Software included	HP Printer Software, available online
Compatible operating systems	Windows 11; Windows 10; Windows 8; Windows 8.1; Windows 7; macOS 10.14 Mojave; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; macOS 13 Ventura; macOS 14 Sonoma; macOS 15 Sequoia; Chrome OS
Compatible network operating systems	Windows 11; Windows 10; Windows 8; Windows 8.1; Windows 7; macOS 10.14 Mojave; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; macOS 13 Ventura; macOS 14 Sonoma; macOS 15 Sequoia; Chrome OS
Minimum system requirements	**PC:** Windows 10, 7: 32-bit or 64-bit, 2 GB available hard disk space, Internet connection, Internet Explorer.; **Mac:** macOS 10.14 Mojave; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; macOS 13 Ventura; macOS 14 Sonoma; macOS 15 Sequoia; 2 GB HD; Internet required
Power[2]	**Power supply type:** Internal; **Power requirements:** Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); **Power consumption:** 0.1 watts (off);1.10 watts (sleep)
Acoustics	**Acoustic power emissions:** 6.5 B(A) (printing at 10ppm); **Acoustic pressure emissions:** 59.4 dB(A) (printing at 10ppm)
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

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[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 and 5 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 . [8]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 . [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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