ProductSheet

HP Smart Tank 581 All-in-One Printer (4A8D4A)

Enjoy everyday reliability with the HP quality you expect and savings that are anything but expected

Enjoy everyday reliability with the HP Smart Tank 580 wireless All-in-One printer that delivers HP quality you expect and savings that are anything but expected [8]



Smart tank value
Up to 2 years of ink keeps you printing at a fraction of the cost[3,9]

Ready when you are
Stay connected and keep printing with self-healing Wi-Fi

Conveniently intuitive
Easy mobile-guided setup [5]

Featuring

Mobile-guided, seamless setup [5]

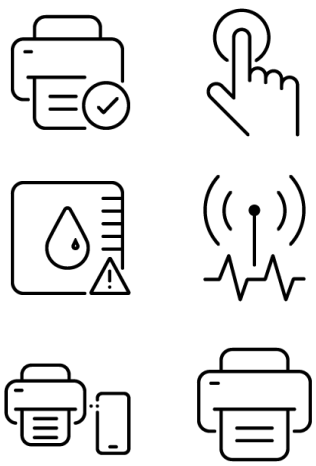
Smart buttons

Low-on-ink sensors

Self-healing Wi-Fi® [4]

HP Smart Advance [2,11]

HP Auto On/Off technology [6]



Specifications

Print Resolution Black (best)	Up to 1200 x 1200 rendered dpi
Print Resolution Color (best)	Up to 4800 x 1200 optimized dpi color (when printing from a computer and 1200 input dpi)
Print Speed Black (normal, A4)	Up to 12 ppm
Print Speed Color (normal, A4)	Up to 5 ppm
Print Speed	Print speed up to 12 ppm (black) and 5 ppm (color)
AIO Functions	Print, copy, scan
Duplex Print Options	Manual (driver support provided)
Duty Cycle (monthly, A4)	Up to 3,000 pages
Duty Cycle (monthly, letter)	Up to 3,000 pages
Energy Savings Feature Technology	HP Auto-Off Technology
Replacement Cartridges	North America: HP GT53 90-ml Black Original Ink Bottle 1VV22AA; HP GT53XL 135-ml Black Original Ink Bottle 1VV21AA; HP GT52 Cyan Original Ink Bottle M0H54AA; HP GT52 Magenta Original Ink Bottle M0H55AA; HP GT52 Yellow Original Ink Bottle M0H56AA; Europe Middle East and Africa: HP GT53XL 135-ml Black Original Ink Bottle 1VV21AE; HP GT52 Cyan Original Ink Bottle M0H54AE; HP GT52 Magenta Original Ink Bottle M0H55AE; HP GT52 Yellow Original Ink Bottle M0H56AE; Asia Pacific: HP GT53 90-ml Black Original Ink Bottle 1VV22AA; HP GT53XL 135-ml Black Original Ink Bottle 1VV21AA; HP GT52 Cyan Original Ink Bottle M0H54AA; HP GT52 Magenta Original Ink Bottle M0H55AA; HP GT52 Yellow Original Ink Bottle M0H56AA; Latin America: HP GT53 90-ml Black Original Ink Bottle 1VV22AL; HP GT52 Cyan Original Ink Bottle M0H54AL; HP GT52 Magenta Original Ink Bottle M0H55AL; HP GT52 Yellow Original Ink Bottle M0H56AL; HP GT52 3-pack Cyan/Magenta/Yellow Original Ink Bottles X4E44AL. For more information about fill and yield, see http://www.hp.com/go/learnaboutsupplies .[6]
Connectivity, Std	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	HP app; Apple AirPrint; Mopria Print Service; HP Print Service Plugin (Android printing); Wi-Fi® Direct Printing
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; Chrome OS *(Microsoft Windows 11, 10; macOS v10.15 Catalina, macOS v11 Big Sur, macOS v12 Monterey; macOS v13 Ventura; macOS v14 Sonoma; Android; iOS)*
Sustainability Specifications	45% post-consumer recycled plastic; EPEAT® registered
Energy Star Certified	No
Ecolabels (fixed)	Conforms to ecolabel energy efficiency limits
Digital Sending Standard Features	Scan to file (from software); HP Smart Tasks
Scan Speed (normal, A4)	Up to 200 ppi/19 secs (color), up to 200 ppi/10 secs (mono)
Scan File Format	JPG; PDF; PNG; TIFF; HEIF
Scan Input Modes	Copy; HP Software; EWS
Scan Technology	Contact Image Sensor (CIS)
Scan Type	Flatbed only
Display Description	33 segments + 1.2-inch iCON LCD Display
Product Dimensions W x D x H (metric)	434.66 x 361.53 x 157.26 mm
Product Dimensions W x D x H (imperial)	17.11 x 14.23 x 6.19 in
Weight (metric)	5.03 kg
Weight (imperial)	11.09 lb
Power Consumption Description	0.109 watts (manual-Off), 3.023 watts (ready), 1.096 watt (sleep)[2]
Power Supply Type	Internal built in
Manufacturer Warranty	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

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

Messaging Footnotes

[3] 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] HP ink bottles compared to HP ink cartridges. Cost per page based on expected black and composite (cyan/magenta/yellow) page yield results based on HP methodology and continuous printing of ISO/IEC 24712 test pages. Not based on ISO/IEC 24711 test process. 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 more information about fill and yield, see hp.com/go/learnaboutsupplies .

[8] HP ink bottles compared to HP ink cartridges. Cost per page based on expected black and composite (cyan/magenta/yellow) page yield results based on HP methodology and continuous printing of ISO/IEC 24712 test pages. Not based on ISO/IEC 24711 test process. 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 more information about fill and yield, see hp.com/go/learnaboutsupplies .

[9] 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. Market share as reported by IDC Quarterly Hardcopy Peripherals Tracker – Final Historical CYQ4 2020. Claim based on research of printer manufacturer's print apps and Keypoint Intelligence hands-on testing and study April 2021 commissioned by HP. For details, see: www.keypointintelligence.com/HPSmartApp

Technical Specifications Footnotes

[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.

[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

© Copyright 2026 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.