HP Smart Tank 581 All-in-One Printer

The smart, connected tank printer

Enjoy everyday reliability with the HP Smart Tank 581 All-in-One Printer that delivers HP quality you expect and savings that are anything but expected [1]

Highlights

- Mobile setup
- Smart buttons
- Low-on-ink sensors
- Self-healing Wi-Fi
- HP Smart app w/ Smart Advance
- Auto-On/Auto-Off technology

Easy setup

Auto on/off

Affordability

Eco friendly

Smart tank value

- Up to 6,000 pages of black or colour ink keeps you printing at a fraction of the cost[2,1]
- Save on energy with HP Auto-On/Auto-Off technology[3]
- 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]
- Mobile fax with HP Smart app [5]

Conveniently intuitive

- Easy mobile-guided setup [5]
- Print more at an ultra-low cost per page with up to 6,000 black pages or 6,000 colour pages of ink bottles in the box
- Colour-coded, mess-free recyclable bottles for easy refill [6]

Technical specifications

Functions	Print, copy, scan
Print technology	HP Thermal Inkjet
Print speed	**Black (A4, ISO):** Up to 12 ppm; **Colour (A4, ISO):** Up to 5 ppm; **Draft black (A4):** Up to 22 ppm; **Draft colour (A4):** Up to 16 ppm
First page out	**Black (A4, ready):** As fast as 14 sec; **Colour (A4, ready):** As fast as 21 sec
Print resolution	**Black (best):** Up to 1200 x 1200 rendered dpi; **Colour (best):** Up to 4800 x 1200 optimized dpi color (when printing from a computer and 1200 input dpi)
Monthly duty cycle	Up to 3,000 pages A4; **Recommended monthly page volume:** 400 to 800
Standard print languages	HP PCL 3 GUI; HP PCLm (HP Apps/UPD); URF (AirPrint)
Print area	**Print margins:** Top: 3 mm, Bottom: 3 mm, Left: 3 mm, Right: 3 mm; **Maximum print area:** 216 x 355 mm
Borderless printing	Yes (up to 8.5 x 11 in, 210 x 297 mm)
Number of supplies	4 (1 each black bottle, set of 3 color bottles)
Duplex printing	Manual (driver support provided)
Copy speed	**Black (A4, ISO):** Up to 10 cpm; **Colour (A4, ISO):** Up to 2 cpm
Copier specifications	**Copier settings:** Number of Copies, Resize, Quality, Lighter/Darker, Papersize, Papertype, ID Copy, Enhancement; **Maximum number of copies:** Up to 99 copies; **Copy resolution:** Up to 1200 dpi; **Reduce/Enlarge:** Via HP Smart app
Scan file format	JPEG; PDF
Scanner specifications	**Scanner type:** Flatbed only; **Scan input modes:** Copy; HP Software; EWS; **Twain version:** Version 2.4; **Scan size maximum (flatbed):** 216 x 297 mm; **Optical scan resolution:** Up to 1200 dpi
Scannable area	Maximum media size (flatbed): 216 x 297 mm
Bit depth/ Grey scale levels	24-bit / 256
Digital sending	**Standard:** Scan to file (from software); HP Smart Tasks
Processor speed	980 MHz
Connectivity	**Standard:** 1 Hi-Speed USB 2.0 (device); 1 Wi-Fi 802.11b/g/n; 1 Wi-Fi Direct
Wireless	Yes, built-in Wi-Fi 2.4G, Wi-Fi Direct
Mobile printing capability	HP Smart app; Apple AirPrint; Mopria Print Service; HP Print Service Plugin (Android printing); Wi-Fi Direct Printing
Network capabilities	Yes (via WiFi)
Memory	**Standard:** 64 MB Integrated DDR1
Number of paper trays	**Standard:** 1
Media types	Plain paper, Matte Brochure Papers, Glossy Brochure Papers, Photo papers, Envelopes, Other specialty inkjet papers

Media size	**Custom (metric):** 88.9 x 127 to 215.9 x 355.6 mm **Supported (metric):** A4; B5; A6; DL envelope, legal
Media weight, supported	Plain paper: 60 to 90 g/m²; Envelopes: 75 to 90 g/m²; Cards: up to 200 g/m²; Photo paper: up to 300 g/m²
Input capacity	**Standard:** Up to 100 sheets **Envelopes:** Up to 10 envelopes **Labels:** Up to 10 sheets **Cards:** Up to 30 cards
Output capacity	**Standard:** Up to 30 sheets **Envelopes:** Up to 10 envelopes **Labels:** Up to 10 sheets **Cards:** Up to 30 cards
Compatible operating systems	Windows 11; Windows 10; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey
Minimum system requirements	**Windows:** Microsoft® Windows® 11, 10, 7 SP1: 32-bit or 64-bit, Internet connection, Microsoft® Internet Explorer or Edge. **Mac:** Apple® macOS v10.15 Catalina, macOS v11 Big Sur, macOS v12 Monterey; 2 GB HD; Internet required
Software included	HP Printer Software
Printer dimensions (W x D x H)	**Minimum:** 434.66 x 361.53 x 157.26 mm; **Maximum:** 434.66 x 580.65 x 259.37 mm
Package dimensions (W x D x H)	495 x 198 x 478 mm
Printer weight	5.03 kg
Package weight	7.2 kg to 7.6 kg depending on number of bottle/s included
Operating environment	**Temperature:** 5 to 40°C **Humidity:** 20 to 80% RH
Storage conditions	**Temperature:** –40 to 60°C **Humidity:** 5 to 90% RH (non-condensing)
Acoustics	**Acoustic power emissions:** 6.4 B(A) **Acoustic pressure emission:** 56.8 dBA
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) ; **Consumption:** 0.109 watts (manual-Off), 3.023 watts (ready), 1.096 watt (sleep) ; **Power supply type:** Internal built in
Certifications	EN 55032:2015+A11:2020 Class B; EN 55024:2010 +A1:2015; EN 55035:2017+A11:2020; EN IEC 61000-3-2:2019; EN 61000-3-2:2014; EN 61000-3-3:2013 +A1:2019; EN 301 489-1 V2.2.3; EN 301 489-17 V3.2.4
Sustainable impact specifications	45% post-consumer recycled plastic; EPEAT® registered
Country of origin	Made in China
Control panel	Power On/Off, Cancel, Resume, Color Copy, Black copy, ID copy, WI-FI and Info button
What's in the box	**4A8D4A:** HP Smart Tank 581 All-in-One Printer; HP GT53XL 135-ml Black Original Ink Bottle (1VV24A); HP GT52 50-ml Cyan Original Ink Bottle (6ZE03A); HP GT52 50-ml Magenta Original Ink Bottle (6ZE04A); HP GT52 50-ml Yellow Original Ink Bottle (6ZE05A); HP Black Original Printhead (M0H50A); HP Tri-Color Original Printhead (6ZA18AE); Setup Guide; Reference Guide; Ink Caution flyer; Regulatory flyer; Warranty flyer; Power Cord; For more information about fill and yield, see https://www.hp.com/go/learnaboutsupplies
Supplies, After market or Supplies, replacement	**1VV21AE** HP GT53XL 135-ml Black Original Ink Bottle **6ZA18AE** HP 6ZA18AE Tri-color Printhead **M0H54AE** HP GT52 Cyan Original Ink Bottle **M0H55AE** HP GT52 Magenta Original Ink Bottle **M0H56AE** HP GT52 Yellow Original Ink Bottle
Service and Support	**UC3C1E** HP 3 years Standard Exchange (available in All EU countries except Adriatic, Africa, CIS, EEM, Israel, ME, Russia, Romania, Slovenia, South Africa, Turkey) **UA5C0E** HP 3 years Next Business Day Exchange (available in Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland, United Kingdom) **UA5C2E** HP 3 years Return to Depot (available in Adriatic, Africa, CIS, EEM, Israel, ME, Russia, Romania, Slovenia, South Africa, Turkey)
Warranty	One-year or 30,000 pages limited hardware warranty, whichever is earlier from the date of purchase and get up to 2 years extended warranty upon registration at https://www.hp.com/go/inkTank-SmartTank-warranty .User replaceable parts have separate warranty periods.