



HP Smart Tank 790 All-in-One

Works hard. Saves easy.



Boost productivity with mobile setup,¹ two-sided printing, Magic touch panel, and fax, so you can connect, work, and print intuitively. Get outstanding quality and value – up to three years of Original HP Ink included in the box.²

Highlights

- Mobile setup
- Magic Touch panel
- Low-on-ink sensors
- Self-healing Wi-Fi
- HP Smart app w/ Smart Advance
- Spill-free ink refills
- HP Wolf Essential security

A premium printing experience from start to finish

- Use the guided, step-by-step videos to quickly set up your printer.¹
- Get faster, more reliable connections using dual band Wi-Fi® with self-healing.³
- Easily manage tasks with an integrated, Magic touch panel for an intuitive experience.
- Easily monitor and maintain ink and paper levels with integrated ink tank light and paper sensors.

Your shortcut to maximum productivity

- Speed through multi-page documents with automatic two-sided printing.
- Count on dark, crisp text, and get vibrant colour graphics for all your prints.
- Print and scan from your phone with HP Smart app.^{1,4} Enjoy advanced scanning for 12 months with HP Smart Tank.⁹
- Work fast and hands-free – the 35 page auto-feeder helps you complete jobs quickly.

Fully loaded with savings

- Get up to 18,000 black or 8,000 colour pages of Original HP Ink included in the box.⁵
- Print at high volumes at an extremely low cost-per-page with this cartridge-free system.⁶
- Replenishing ink is clean and easy with HP's innovative spill-free refill system.⁷

Environmentally conscious printing

- This printer is made from recycled printers and other electronics – more than 25% by weight of plastic.
- EPEAT Silver certified printer: an environmentally conscious choice.
- Count on easy cartridge recycling at no charge through HP Planet Partners.⁸

Technical specifications

Functions	Print, Copy, Scan, Fax, ADF and Wireless
Print technology	HP Thermal Inkjet
Print speed ^{2, 7}	Black (A4, ISO): Up to 15 ppm; Colour (A4, ISO): Up to 9 ppm; Draft black (A4): Up to 23 ppm; Draft colour (A4): Up to 22 ppm; Draft black (A4 Memo): Up to 30 ppm; Draft colour (A4 Memo): Up to 28 ppm
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 6,000 pages A4; Recommended monthly page volume: 400 to 1200
Printer smart software features	Duplex Printing
Standard print languages	HP PCL 3 GUI
Print area	Print margins: Top: 3.3 mm, Bottom: 3.3 mm, Left: 3.3 mm, Right: 3.3 mm; Maximum print area: 215.9 x 355.6 mm
Borderless printing	Yes (up to 8.5 x 11 in, 210 x 297 mm)
Multitasking supported	No
Duplex printing	Automatic
Copy speed ¹	Black (A4, ISO): Up to 13 cpm; Colour (A4, ISO): Up to 6 cpm
Copier specifications	Copier settings: Number of Copies, Resize, Quality, Lighter/Darker, Papersize, ID Copy; Maximum number of copies: Up to 99 copies; Copy resolution: Up to 600 dpi; Reduce/Enlarge: 25 to 400%
Scan speed	Normal (A4): Up to 8 ipm (200 ppi, mono); Up to 3.5 ipm 200 ppi, color);
Scan file format	JPEG, TIFF, PDF, BMP, PNG
Scanner specifications	Scanner type: Flatbed and ADF; Scan input modes: Front Panel Scan; Copy; Fax; HP Software; EWS; Twain version: Version 2.1; Scan size maximum (flatbed): 216 x 297 mm; Scan size maximum (ADF,metric): 216 x 356 mm; Optical scan resolution: Up to 1200 dpi
Scannable area	Maximum media size (flatbed): 216 x 297 mm; Maximum media size (ADF): 216 x 356 mm
Bit depth/ Grey scale levels	24-bit / 256
Fax	Yes, color
Fax specifications	Fax memory: Up to 100 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: 203 x 196 dpi;
Fax smart software features	Yes
Processor speed	800 MHz
Connectivity	Standard: 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
Wireless	Yes, 2.4/5G dual band Wi-Fi, Wi-Fi Direct
Mobile printing capability ³	Apple AirPrint; Mopria™ certified; HP Print Service Plugin (Android printing); HP app; Wi-Fi® Direct Printing
Network capabilities	Yes, via built-in Ethernet; Wi-Fi
Memory	Standard: 256 MB
Number of paper trays	Standard: 1
Media types	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 size	Custom (metric): 88.9 x 127 mm to 215.9 x 355.6 mm Supported (metric): A4; A5; A6; B5 (JIS); Envelope (DL, C5, C6, Chou #3, Chou #4); Card (Hagaki, Ofuku Hagaki)
Media weight, supported	Plain paper: 60 to 105 g/m²; Envelopes: 75 to 90 g/m²; Cards: up to 200 g/m²; Photo paper: up to 250 g/m²

Input capacity	Standard: Up to 250 sheets ADF: Standard, 35 sheets Envelopes: Up to 30 envelopes Cards: Up to 30 cards
Output capacity	Standard: Up to 100 sheets Envelopes: Up to 30 envelopes Cards: Up to 30 cards
Compatible operating systems	Windows 11; Windows 10; Windows 7; macOS 10.14 Mojave; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; macOS 13 Ventura; macOS 14 Sonoma
Minimum system requirements	Windows: Windows 10, 7: 32-bit or 64-bit; 2 GB available hard disk space, Internet connection, Internet Explorer. Mac: macOS v10.14 Mojave, macOS v10.15 Catalina, macOS v11 Big Sur; 2 GB HD; Internet required
Software included	HP Printer Software, available online
Printer dimensions (W x D x H) ¹	Minimum: 42.75 x 36.40 x 24.03 cm; Maximum: 453.55 x 440.73 x 249.63 mm
Package dimensions (W x D x H)	484 x 284 x 410 mm
Printer weight	7.70 kg
Package weight	10.70 kg
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: 6.5 B(A) (printing at 10ppm) Acoustic pressure emission: 59.4 dB(A) (printing at 10ppm)
Power ²	Requirements: Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz) ; Consumption: 0.1 watts (off); 1.10 watts (sleep) ; Typical Electricity Consumption (TEC): 0.20 kWh/Week ; Power supply type: Internal
Certifications	CISPR 32:2015/EN 55032:2015+A11:2020 Class B; CISPR24:2010+A1:2015/EN 55024:2010+A1:2015; EN55035:2017+A11:2020/CISPR35:2016; EN 61000-3-2:2019; EN 61000-3-3:2013+A1:2019; FCC CFR 47 Part 15 Subpart B; ICES-003 Issue 7:2020; EN 301 489-1 V2.2.3; EN 301 489-17 V3.2.2 EPEAT® registered; CECP; SEPA
Sustainable impact specifications ^{10,11}	25% post-consumer recycled plastic; Recyclable through HP Planet Partners
Country of origin	China(ABT, BHG, BH2, ACJ, AKY, BEW, 670, BGG, AKH, BH0); Thailand(ABT, BHG, BG2, ACJ, AK3, AKY, BEW, 670, BGG, ACB, AKH, BH0)
Control panel	3 in (76.2 mm) Touchscreen MGD (Mono Graphics Display), touch button (cancel, help, back)
What's in the box	4WF66A: HP Smart Tank 790 All-in-One; 3 x HP GT53XL 135-ml Black Original Ink Bottle; HP GT52 Cyan Original Ink Bottle; HP GT52 Magenta Original Ink Bottle; HP GT52 Yellow Original Ink Bottle; Power cord; PHA; Setup guide; Reference guide; Ink caution flyer; Regulatory flyers; warranty flyers; For more information about fill and yield, see http://www.hp.com/go/learnaboutsupplies
Supplies, After market or Supplies, replacement ⁶	1V21AE HP GT53XL 135-ml Black Original Ink Bottle 3YP17AE HP InkTank Tri-Color Printhead 6ZA17AE HP 6ZA17AE Black Printhead MOH54AE HP GT52 Cyan Original Ink Bottle (~8,000 pages) MOH55AE HP GT52 Magenta Original Ink Bottle (~8,000 pages) MOH56AE HP GT52 Yellow Original Ink Bottle (~8,000 pages)
Service and Support	U35P7E HP 3 years Standard Exchange (available in All EMEA countries except Middle East, Adriatic, Africa, Russia, South Africa, Israel, Slovenia, Turkey) U35P9E 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, UK) U35PHE HP 3 Years Return to Depot (available in Adriatic, Africa, CIS, EEM, Israel, Middle East, Romania, Russia, South Africa, Turkey)

Messaging Footnotes

- ¹ Requires the HP Smart app download. For details on local printing requirements see <http://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. See details at <http://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.
- ² 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 <http://www.hp.com/go/learnaboutsupplies>.
- ³ Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Learn more at [hp.com/go/mobileprinting](http://www.hp.com/go/mobileprinting). Wi-Fi is a registered trademark of Wi-Fi Alliance®. Supports both 5.0 GHz and 2.4 GHz using up to 12 non-overlapping channels vs only 3 non-overlapping channels for 2.4 GHz only. Supports 5.0 GHz band (up to 150 mbps) vs 2.4 GHz band (up to 72.2 mbps).
- ⁴ Based on internal HP testing. Average timing estimate based on: 1) downloaded HP Smart app on mobile or desktop device, 2) setting up Shortcuts, 3) scanning jobs which have more than 2-3 tasks associated with them (scan to email, save and rename, store to cloud, etc.). Average timing savings comparison based on using printer and desktop scan software to complete similar scanning tasks. Requires the HP Smart app download and supported HP printer. For details on local printing requirements see <http://www.hp.com/go/mobileprinting>.
- ⁵ Black and composite colour average per bottle (cyan/magenta/yellow). Three HP GT53XL black bottles included in the box print up to 6,000 test pages on average. 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 may be required to print 8,000 colour 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 more information about fill and yield, see <http://www.hp.com/go/learnaboutsupplies>.
- ⁶ 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 <http://www.hp.com/go/learnaboutsupplies>.
- ⁷ When used in accordance with setup instructions.
- ⁸ Program availability varies. See <http://www.hp.com/recycle>.
- ⁹ After 12 months, monthly fee applies to continue advanced features with HP Smart Advance. HP Smart Advance is not available in all countries.

Technical Specifications Footnotes

- 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>.
- 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.

