HP Smart Tank 790 All-in-One Printer

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 8000 color or 6000 black pages of Original HP Ink included.[2]

**Simple setup.
Simple printing**

HP AiO Remote

Cost savings

Eco friendly

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 ink and paper levels with automatic Low on Ink 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 color graphics for all your prints.
- Work fast and hands-free—the 35-page auto-feeder helps you complete jobs quickly.

Fully loaded with savings
- Get up to 8000 color or 6000 black pages of Original HP Ink included in the box.[2]
- Print at high volumes at an extremely low cost-per-page with this high-capacity ink tank system.[5]
- Replenishing ink is clean and easy with HP's innovative spill-free refill system.[6]

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]
- HP FSC®-certified paper is sustainably sourced, helping stop deforestation and protect wildlife.

Footnotes

[1] Requires the HP Smart app download. For details on local printing requirements see 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 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] Black and composite color average per bottle (cyan/magenta/yellow) 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 is required to print 8000 color 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 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. 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 www.hp.com/go/mobileprinting.
[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.
[6] When used in accordance with setup instructions.
[7] Made with more than 25% recycled plastic by weight.
[8] Program availability varies. See 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

Functions	Print, Copy, Scan, Fax, ADF and Wireless
Print technology	HP Thermal Inkjet
Print speed[5,7]	**Black (A4, ISO):** Up to 15 ipm; **Colour (A4, ISO):** Up to 9 ipm; **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
Memory card compatibility	No
Duplex printing	Automatic
Copy speed[4]	**Black (A4, ISO):** Up to 13 ipm; **Colour (A4, ISO):** Up to 6 ipm
Copier specifications	**Copier settings:** Number of Copies, Access copier settings of Resize, Quality, Lighter/Darker, Papersize, Papertype settings via HP Smart; **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 3.5 ipm (color); Up to 8 ipm (mono);
Scan file format	Scan to USB : Yes; Scan format : PDF, JPG, TIFF
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:** Hi-Speed USB 2.0; Wi-Fi; Bluetooth LE; 1 USB Host; LAN
Wireless	Yes, 2.4/5G dual band Wi-Fi, Wi-Fi Direct
Mobile printing capability[3]	Apple AirPrint; Mopria Print Service; HP Print Service Plugin (Android printing); HP Smart 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); legal
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 **Labels:** Up to 20 sheets **Cards:** Up to 30 cards

Output capacity	**Standard:** Up to 100 sheets **Envelopes:** Up to 30 envelopes **Labels:** Up to 20 sheets **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 Conforms to ecolabel energy efficiency limits
Sustainable impact specifications[10,11]	25% post-consumer recycled plastic; Recyclable through HP Planet Partners
Country of origin	Made in Thailand
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; HP GT53XL Black Original ink Bottle; HP GT52 Cyan Original Ink bottles; HP GT52 Magenta Original Ink bottles; HP GT52 Yellow Original Ink bottles; HP Black Printhead; HP Tri-color Printhead; Power cord; Ink caution flyer; Setup guide; Reference guide; Regulatory flyers; Warranty flyers
Supplies, After market or Supplies, replacement	**1VV21AA** HP GT53XL 135ml Black Original Bottled Ink Crtg for HP Ink Tank Plus andPremium Series Printers (~6,000 pages) **1VV22AA** HP GT53 90ml Black Original Bottled Ink Crtg for HP Ink Tank Plus andPremium Series Printers (~4,000 pages) **3YP17AA** HP Tri-color Printhead for Inktank Series Printers () **M0H54AA** HP GT52 70-ml Cyan Original Ink Bottle (~8,000 pages) **M0H55AA** HP GT52 70-ml Magenta Original Ink Bottle (~8,000 pages) **M0H56AA** HP GT52 70-ml Yellow Original Ink Bottle (~8,000 pages) **X4E75AA** HP X4E75A Black Inktank Printhead ()
Service and Support	**U35PBE** HP 3 Year Care Pack Next Day Exchange MFP Page Limit HI SVC **U35PFE** HP 3 Year Care Pack Onsite Exchange MFP Page Limit HI SVC **U35PHE** HP 3 Year Care Pack Return to Depot MFP Page Limit HI SVC **U6N05E** HP Installation with Networking Service for Consumer Printer
Warranty	One-year or 50,000 pages limited hardware warranty, whichever is earlier from the date of purchase; user replaceable parts have separate warranty periods. For more info please visit us at http://support.hp.com