HP Smart Tank 790 All-in-One (4WF66A)



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 15 ppm
Print Speed Color (normal, A4)	Up to 9 ppm
Print Speed	Print speed up to 15 ppm (black) and 9 ppm (color)
Print Margin Bottom (A4)	3.3 mm
Print Margin Left (A4)	3.3 mm
Print Margin Right (A4)	3.3 mm
Print Margin Top (A4)	3.3 mm
AIO Functions	Print, Copy, Scan, Fax, ADF and Wireless
Duplex Print Options	Automatic
Duty Cycle (monthly, A4)	Up to 6,000 pages
Duty Cycle (monthly, letter)	Up to 6,000 pages
Printer Smart Software Features	Duplex Printing
Scanner Advanced Features	No
Fax Smart Software Features	Yes
Replacement Cartridges	HP 32 90-ml Black bottle (~4000 pages), 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[6]
Connectivity, Std	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	Apple AirPrint; Mopria™ certified; HP Print Service Plugin (Android printing); HP app; Wi-Fi® Direct Printing
Software Included	HP Printer Software, available online
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; Chrome OS *(Windows 10, 7: 32-bit or 64-bit, macOS v10.14 Mojave, macOS v10.15 Catalina, macOS v11 Big Sur; 2 GB available hard disk space; Internet connection; Internet Explorer)*
Sustainability Specifications	25% post-consumer recycled plastic; Recyclable through HP Planet Partners
Energy Star Certified	No
Ecolabels (fixed)	Conforms to ecolabel energy efficiency limits

Fax Resolution Black (best)	Up to 300 x 300 dpi
Fax	Yes, color
Scan Speed (normal, A4)	Up to 8 ipm (200 ppi, mono); Up to 3.5 ipm 200 ppi, color)
Scan Speed (normal, letter)	Up to 8 ipm (200 ppi, mono); Up to 3.5 ipm 200 ppi, color)
Scan File Format	JPG; PDF; PNG; TIFF
Scan Input Modes	Front Panel Scan; Copy; Fax; HP Software; EWS
Scan Technology	Contact Image Sensor (CIS)
Scan Type	Flatbed and ADF
Display Description	3 in (76.2 mm) Touchscreen MGD (Mono Graphics Display)
Product Dimensions W x D x H (metric)	42.75 x 36.40 x 24.03 cm
Product Dimensions W x D x H (imperial)	16.83 x 14.33 x 9.46 in
Weight (metric)	7.70 kg
Weight (imperial)	16.98 lb
Power Consumption Description	0.1 watts (off);1.10 watts (sleep)[2]
Power Supply Type	Internal
Manufacturer Warranty	One-year or 50,000 pages limited hardware warranty, whichever is earlier from the date of purchase. For more info please visit us at http://support.hp.com

Additional specifications

Accessories	None
Acoustic Power Emissions (active copy)	6.3 B(A) (copying at 9ppm with ADF running)
Acoustic Power Emissions (active, printing)	6.5 B(A) (printing at 10ppm)
Acoustic Pressure Emissions	51.9 dBA (Mono) ; 47.9 dBA (Colour)
Auto Document Feeder Capacity	Standard, 35 sheets
Auto Fax Reduction Supported	Yes
Automatic Paper Sensor	Yes
Bit Depth	24-bit
Borderless Printing	Yes (up to 8.5 x 11 in, 210 x 297 mm)
Cartons Per Layer	8
Color Copy Capability	Yes
Color Scanning	Yes
Color or Black (filter)	Color
Compatible Network 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; Chrome OS
Connection Type	Wireless
Control Panel	3 in (76.2 mm) Touchscreen MGD (Mono Graphics Display), touch button (cancel, help, back)
Copier Reduce/enlarge	25 to 400%
Copier Settings	Number of Copies, Access copier settings of Resize, Quality, Lighter/Darker, Papersize, Papertype settings via HP Smart
Copy Resolution, Black Graphics	Up to 600 dpi
Copy Resolution, Black Text	Up to 600 dpi
Copy Resolution, Color Text and Graphics	Up to 600 x 600 dpi
Copy Speed Black (ISO)	Up to 13 cpm
Copy Speed Black (maximum, A4)	Up to 23 cpm
Copy Speed Color (ISO)	Up to 6 cpm
Copy Speed Color (maximum, A4)	Up to 22 cpm
Count of Layers In Pallet	6
Distinctive Ring Detection Supported	Yes
Duty Cycle Note	Duty cycle is the maximum number of pages that can be printed in a month, but this page volume is not recommended on an ongoing basis.

Electromagnetic Emission Standard	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
Envelope Feeder	No
Fax Auto-redialing	Yes
Fax Delayed Sending	Yes
Fax Forwarding Supported	Yes
Fax Memory (A4)	Up to 100 pages
Fax Memory (letter)	Up to 100 pages
Fax Memory Footnote	Varies based on content
Fax Phone Features	Yes
Fax Phone TAM Interface Supported	No
Fax Polling Supported	No
Fax Resolution Black (standard)	203 x 98 dpi
Fax Resolution Black and White (fine)	203 x 196 dpi
Fax Resolution Color (fine)	200 x 200 dpi
Fax Resolution Color (standard)	200 x 200 dpi
Fax Speed	33.6 kbps
Fax Speed (letter)	4 sec per page
Fax Speed Dialing, Max Numbers	Up to 99 numbers
Fax Speed Footnote	Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.
Fax Telephone Mode Supported	Yes
Fax/modem Description	Internal. Data transfer rate up to 33.6kbps
Faxing Options (ADF)	Single-sided
File Formats	PDF; BMP; PNG; TIF; JPG
First Page Out, Footnote	For details see http://www.hp.com/go/printerclaims
Grayscale Levels	256
Image Scaling or Enlargement Range	25-400%.
In Box Cable	(APJ) Yes, 1m; (LA, EMEA) No, please purchase the USB cable separately
Ink Types	Pigment-based (black); Dye-based (color)
Input Capacity Maximum (photo paper)	Up to 50 sheets
Input Capacity, Max	Up to 250 sheets

Input Capacity, Max, Envelopes	Up to 30 envelopes
Input Capacity, Standard, Legal	Up to 250 sheets
Input Capacity, Std	Up to 250 sheets
Input Capacity, Std, Cards	Up to 30 cards
Junk Barrier Supported	Yes
Key Media Sizes Supported (imperial)	Envelopes; Legal; Letter; 4 x 6 in
Key Media Sizes Supported (metric)	10 x 15 cm; A4; Envelopes
Mac Compatible	Yes
Max Dimensions W x D x H (imperial)	17.86 x 17.35 x 9.83 in
Max Dimensions W x D x H (metric)	453.55 x 440.73 x 249.63 mm
Max Number Of Copies	Up to 99 copies
Maximum Memory	256 MB
Media Sizes Custom (imperial)	3.5 x 5 in to 8.5 x 14 in
Media Sizes Custom (metric)	88.9 x 127 mm to 215.9 x 355.6 mm
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 Weight Recommended (imperial)	16 to 28 lb
Media Weight Recommended (metric)	60 to 105 g/m²
Media Weights Supported, By Paper Path (Imperial)	Plain paper: 16 to 28 lb; Envelopes: 20 to 24 lb; Cards: up to 110 lb; Photo paper: up to 66 lb
Media Weights Supported, By Paper Path (metric)	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
Memory Card Compatibility	No
Model Number	790
Multitasking Supported	No
Non-operating Altitude (imperial)	15,000 ft
Non-operating Humidity Range	5 to 90% RH (non-condensing)
Number of Simultaneous Users (local + network)	1-3 Users
Operating Altitude (imperial)	Up to 10,000 ft
Operating Humidity Range	15 to 80% RH (non-condensing)
Operating Humidity Range (recommended)	20 to 80% RH

Operating Temperature Range (celsius)	5 to 40°C
Operating Temperature Range (fahrenheit)	41 to 104°F
Operating Temperature Range (recommended celsius)	15 to 30°C
Operating Temperature Range (recommended fahrenheit)	59 to 86°F
Output Capacity Max (photo paper)	Up to 30 sheets
Output Capacity, Max	Up to 100 sheets
Output Capacity, Max, Cards	Up to 30 cards
Output Capacity, Max, Envelopes	Up to 30 envelopes
Output Capacity, Std	Up to 100 sheets
Output Capacity, Std, Cards	Up to 30 cards
Output Capacity, Std, Envelopes	Up to 30 envelopes
Output Capacity, Std, Legal	Up to 50 sheets
Output File Format	BMP; JPEG; PDF; TIF
PC Interface Supported	Yes, PC fax send and archive
Package Dimensions W x D x H (imperial)	19.06 x 11.18 x 16.14 in
Package Dimensions W x D x H (metric)	484 x 284 x 410 mm
Package Weight (imperial)	23.54 lb
Package Weight (metric)	10.70 kg
Page Yield in Draft Mode	(670)~22,800 pages Black, ~9,600 pages Color,(730)~15,200 pages Black, ~9,600 pages Color,(ABT)~22,800 pages Black, ~9,600 pages Color, (AC8)~15,200 pages Black, ~9,600 pages Color,(ACJ)~15,200 pages Black, ~9,600 pages Color,(AK3)~7,600 pages Black, ~9,600 pages Color, (AKH)~15,200 pages Black, ~9,600 pages Color,(AKY)~15,200 pages Black, ~9,600 pages Color,(BEW)~22,800 pages Black, ~9,600 pages Color, (BG2)~7,600 pages Black, ~9,600 pages Color,(BGG)~7,600 pages Black, ~9,600 pages Color,(BH2)~7,600 pages Black, ~9,600 pages Color, (BHG)~22,800 pages Black, ~9,600 pages Color[8]
Page Yield in Draft Mode Footnote	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 .
Pallet Dimensions (imperial)	48 x 40 x 102 in
Pallet Dimensions W x D x H (metric)	1220 x 1016 x 2590 mm
Pallet Weight (imperial)	942 lb

Pallet Weight (metric)	428 kg
Paper Handling Standard/input	250-sheet input tray
Paper Handling Standard/output	100-sheet output tray
Paper Trays, Maximum	1
Paper Trays, Standard	1
Pictbridge Description	No
Pictbridge Supported	No
Power Supply Required	Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz)
Print Cartridge/Bottle, Color(s)	Black; Cyan; Magenta; Yellow
Print Colors	Yes
Print Colors Maximum	4
Print Head Nozzles	704 (Black), 672 (Tri-color)
Print Heads	2 (1 each black, tri-color)
Print Languages, Standard	HP PCL 3 GUI
Print Quality, Vertical Alignment Accuracy (imperial)	+/- 0.0008 in
Print Quality, Vertical Alignment Accuracy (metric)	+/- 0.02 mm
Print Speed (Draft, A4 Memo) Footnote Number	[7]
Print Speed Black (Draft, A4 Memo)	Up to 30 ppm
Print Speed Black (ISO)	Up to 15 ppm
Print Speed Black (draft, A4)	Up to 23 ppm
Print Speed Color (Draft, A4 Memo)	Up to 28 ppm
Print Speed Color (ISO)	Up to 9 ppm
Print Speed Color (draft, A4)	Up to 22 ppm
Print Speed Color (draft, letter)	Up to 22 ppm
Print Technology	HP Thermal Inkjet
Printable Area Maximum (metric)	215.9 x 355.6 mm
Printer Drivers Included	HP PCL 3 GUI
Printer Management	No
Processor Speed	800 MHz
Product Dimensions with Trays Up W x D x H (metric)	427.54 x 364.00 x 240.25 mm
Product Long Name Specifications	HP Smart Tank 790 All-in-One, Color Printer for Home, Print, Copy, Scan, Fax, ADF and Wireless, 35-sheet ADF; Scan to PDF; Two-sided printing

Product Name (back)	HP Smart Tank 790 series
Product Name (front)	HP Smart Tank 790 series
Product Name (primary)	HP Smart Tank 790 series
Product Name (secondary)	HP Smart Tank 790 series
Product Short Name Specifications	HP Smart Tank 790 Wireless All-in-One Color Printer, Two-sided printing; Copier, Scanner
Quantity Per Pallet	48
RMN Number	SNPRC-2102-05
Recommended Monthly Page Volume	400 to 1200
Recommended Monthly Page Volume Note	HP recommends the number of pages printed not exceed the recommended monthly page volume for optimum device performance.
Remote Retrieval Capability Supported	No
Safety Approvals and Requirements	IEC 60950-1 & IEC 62368-1 Ed. 2 compliant; Safety CSA NRTL; EU RED and EN 62368-1 Ed. 2 compliant; NEMKO GS approved; Mexico NOM-1-NYCE, Singapore "Safety Mark"; Russia EAC; China CCC
Scan Resolution, Enhanced	Up to 1200 dpi
Scan Resolution, Hardware	Up to 1200 x 1200 dpi
Scan Resolution, Optical	Up to 1200 dpi
Scan Size Maximum (ADF, Imperial)	8.5 x 14 in
Scan Size Maximum (ADF,metric)	216 x 356 mm
Scan Size Maximum (flatbed, imperial)	8.5 x 11.69 in
Scan Size Maximum (flatbed, metric)	216 x 297 mm
Scanning Options (ADF)	Single-sided
Segment (filter)	Home and home office
Send To Email Capability	Yes
Service and Support Features	With services, software, solutions and support from HP Total Care, you can use, protect and enjoy your HP technology; one-year technical support; up to two years or 50,000 pages limited hardware warranty upon registration in www.hp.com/go/extendmywarranty whichever is earlier from the date of purchase; Offer for 2 years warranty expires after 60 days of printer purchase; user replaceable parts have separate warranty periods; access to 24/7 world-class support services through http://www.hp.com/support ; to improve your product experience, please take the time to register at http://www.register.hp.com .
Service and Support Options	Protect your investment—HP Total Care offers a variety of extended warranties and services, go to http://www.hp.com/support
Standard Media Sizes (duplex, Imperial)	Letter; Executive; Not supported for borderless photo

Standard Media Sizes (duplex, metric)	A4; B5; Not supported for borderless photo
Standard Media Sizes Supported (imperial)	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)
Standard Media Sizes Supported (metric)	A4; A5; A6; B5 (JIS); Envelope (DL, C5, C6, Chou #3, Chou #4); Card (Hagaki, Ofuku Hagaki)
Standard Memory	256 MB
Standard Memory Note	Not upgradeable
Storage Temperature Range (celsius)	-40 to 60°C
Storage Temperature Range (fahrenheit)	-40 to 140°F
Sub-Brand Name	Smart Tank
System Requirements Recommended Macintosh	macOS v10.14 Mojave, macOS v10.15 Catalina, macOS v11 Big Sur; 2 GB HD; Internet required
System Requirements, Macintosh, Minimum	macOS v10.14 Mojave, macOS v10.15 Catalina, macOS v11 Big Sur; 2 GB HD; Internet required
System Requirements, Minimum	Windows 10, 7: 32-bit or 64-bit, 2 GB available hard disk space, Internet connection, Internet Explorer.
System Requirements, Recommended	Windows 10, 7: 32-bit or 64-bit, 2 GB available hard disk space, Internet connection, Internet Explorer.
Target Number of Users and Print Volume	For teams up to 3 users; Prints up to 1200 pages/month
Tariff Numbers	National HTS: 8443310000; EU/AM Base HTS:8443310000; AP Base HTS: 84433111
Technology	Ink
Telecom Compliance Certifications	EN 300 328 V2.2.2; EN 301 893 V2.1.1; EN 300 440 V2.1.1
Telephone Handset Supported	No
Top Key Features	35-sheet ADF; Scan to PDF; Two-sided printing
Twain Version	Version 2.1
Typical Electricity Consumption (TEC) number	0.20 kWh/Week
UNSPSC Code	43212110
UPC Number	(670) 195908302858; (730) 198701537144; (ABT) 195908302865; (AC8) 195908302872; (ACJ) 195908302889; (AK3) 195908302896; (AKH) 195908302919; (AKY) 195908302926; (BEW) 195908302940; (BG2) 195908302957; (BGG) 197029095480; (BH0) 195908302964; (BH2) 195908302971; (BHG) 195908302988
Wireless Technology	802.11a/b/g/n/ac; Wi-Fi®

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[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

[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 .

Ink/Toner/Paper/Printer Supplies

Ink Supplies

★ : Recommended

HP Ink Bottles

HP 31 70-ml Cyan Original Ink Bottle	**1VU26AE ★**
HP 31 70-ml Magenta Original Ink Bottle	**1VU27AE ★**
HP 31 70-ml Yellow Original Ink Bottle	**1VU28AE ★**
HP 32XL 135-ml Black Original Ink Bottle	**1VV24AE ★**
HP 31 CMY Original Ink Bottle Combo 3-Pack	9C228AN
HP 32XL 135-ml Black Original Ink Bottle	1VV24AA
HP GT52 Cyan Original Ink Bottle	M0H54AE
HP GT52 Magenta Original Ink Bottle	M0H55AE
HP GT52 Yellow Original Ink Bottle	M0H56AE
HP GT53 90-ml Black Original Ink Bottle	1VV22AA
HP GT53 90-ml Black Original Ink Bottle	1VV22AL
HP GT53XL 135-ml Black Original Ink Bottle	1VV21AA
HP GT53XL 135-ml Black Original Ink Bottle	1VV21AE
HP GT53XL 135-ml Black Original Ink Bottle	1VV21AL

HP Inkjet Printer Cartridges and Ink Supplies

HP 6ZA17AE Black Printhead	6ZA17AE
HP Inktank Tri-Color Printhead	3YP17AE
HP Inktank Tri-Color Printhead	3YP17AL
HP X4E75A Black Inktank Printhead	X4E75AL

HP Photo Papers

HP Photo Papers for inkjet

HP Matte Photo Paper 180 g/m2 10 x 15 cm (101 x 152 mm) 25 sheets	7HF70A
HP Matte Photo Paper 48 lb 4 x 6 in. (101 x 152 mm) 25 sheets	6QH46A

HP Home & Office Papers

HP Home & Office Papers for laser and inkjet

HP MultiPurpose20TM 20 lb 11 x 17 in. (279 x 432 mm) 250 sheets	HPM1720P
HP MultiPurpose20TM 20 lb 8.5 x 11 in. (216 x 279 mm) 500 sheets	HPM1120R

HP MultiPurpose20TM 20 lb 8.5 x 14 in. (216 x 356 mm) 500 sheets	HPM1420P

Services

HP Care Pack Services

★ : Recommended

Imaging and Printing Consumer Care Pack Services

HP 3 Year Return to Depot for SmartTank Printer - H SVC	U35PHE
HP 3 year Advance Exchange Service for MFP Page Limit	U35P8E
HP 3 year Next Business Day Advance Exchange for Smart Tank Page Limit Hi Service	U35PBE

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