Data sheet

HP LaserJet Tank 2502dw Printer

Business capabilities with up to 5,000 pages of pre-filled toner and an ultra-low cost per page[1]

Discover business-ready capabilities and savings with HP LaserJet Tank 2502dw Printer pre-filled with up to 5,000 pages of Original HP Toner[1]

Affordability

Refilled toner cartridge

Fast two-sided printing

Get high-quality printing with ultra-low cost per page

- Engineered for high-volume printing – pre-filled with 5,000 pages of toner in the tank.
- Help to save on refills with ultra high yield HP Toner Reload Kit.
- Deliver exceptional quality with sharp text and bold blacks, page after page.

Easy toner refill in 15 sec with Original HP Toner.[5]

- Easily refill Original HP Toner in 15 seconds.[5]
- Less downtime with 2,500 and 5,000-page HP Toner refill options.[1]
- The Original HP Toner Reload Kit has an unique design, made with over 75% less plastic.[4]
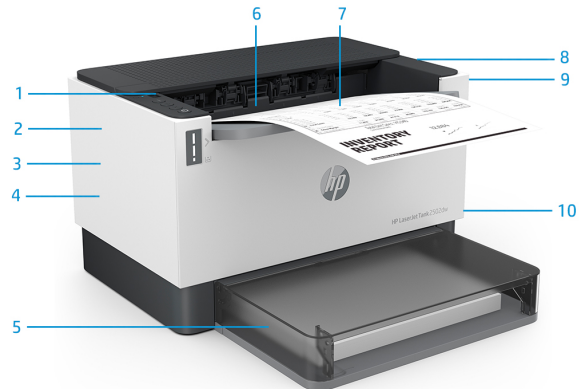
Full features for business-ready capability.

- Speed through multipage documents with automatic two-sided printing.
- Low maintenance with long-life up to 50,000 page imaging drum.[6]
- Core protection for everyday needs with HP Wolf Essential security.

Product walkaround

HP LaserJet Tank 2502dw Printer

1. Smart-guided buttons
2. Print speed up to 22 ppm (A4)
3. Up to 50,000 pages imaging drum
4. Prefilled with up to 5,000 pages of Original HP Toner
5. 250-sheet input tray
6. Sharp text and consistent printing
7. Automatic two-sided printing
8. Built-in fast Ethernet
9. Dual-band Wi-Fi with self-reset[1] & Bluetooth LE
10. HP WOLF Security Essential

Accessories, Supplies and Support

Supplies	**W1540A** HP 154A Black Original LaserJet Tank Toner Reload Kit (~2,500 pages)
	W1540X HP 154X Black Original LaserJet Tank Toner Reload Kit (~5,000 pages)
Service and Support	**U04SYE** HP 2 year Onsite Exchange Service for LaserJet Tank Printers **U04SZE** HP 3 year Onsite Exchange Service for LaserJet Tank Printers **U04T2E** HP 2 year Next Business Day Advance Exchange Service for LaserJet Tank Printers **U04T3E** HP 3 year Next Business Day Advance Exchange Service for LaserJet Tank Printers **U04T5E** HP 2 year Advance Exchange Service for LaserJet Tank Printers **U04T6E** HP 3 year Advance Exchange Service for LaserJet Tank Printers **U04T8E** HP 2 year Return to Depot Service for LaserJet Tank Printers **U04T9E** HP 3 year Return to Depot Service for LaserJet Tank Printers

Technical specifications

Model	HP LaserJet Tank 2502dw Printer
Product number	2R3E3A
Functions	Print
Control panel	Icon LCD; 2 lights (Wifi, Attention); 5 buttons (WiFi, Info, Resume, Cancel, Power)
Print	
Print technology	Laser
Print speed[6]	**Black (A4, normal)**: Up to 22 ppm ; **Black (A4, duplex)**: Up to 14 ipm
First page out[8]	**Black (A4, ready)**: As fast as 8.0 sec ; **Black (A4, sleep)**: As fast as 8.4 sec
Print resolution	**Black (best)**: Up to 600 x 600 dpi ; **Technology**: 600 x 400 dpi; 600 x 600 dpi
Monthly duty cycle	Up to 25,000 pages A4; **Recommended monthly page volume**: 250 to 2500
Printer smart software features[2]	Automatic duplex printing, HP Auto-On/Auto-Off, HP Smart App
Standard print languages	PCLmS; URF; PWG
Print area	**Print margins** Top: 2 mm, Bottom: 2 mm, Left: 2 mm, Right: 2 mm; Maximum print area : 215.9 x 355.6 mm
Duplex printing	Automatic
Processor speed	500MHz
Connectivity	
Standard	Hi-Speed USB (compatible with USB 2.0 specifications); Ethernet 10/100 Base-TX; 802.11a/b/g/n (2.4/5 GHz) Wi-Fi radio + BLE
Mobile printing capability[5]	HP Smart App; Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct printing
Supported network protocols	TCP/IP: IPv4; IPv6; LPD; SLP; Bonjour; WS-Discovery; BOOTP/DHCP/AutoIP; SNMP v 1/2/3;HTTP/HTTPS; UDP; IPP
Network capabilities	Ethernet 10/100Base-TX; built-in WiFi 802.11b/g/n (2.4/5GHz)
Hard disk	None
Memory	**Standard**: 64MB ;**Maximum**: 64 MB SDRAM
Media handling	
Number of paper trays	**Standard**: 1 ;**Maximum**: 1
Media types	Plain paper, Heavy paper, Bond paper, Label, Light paper, Envelope
Media size	**Custom (metric)**: 102 x 152 to 215.9 x 355.6 mm **Supported (metric)**: A6; A5; A4; No.10 Env; C5 Env; DL Env; B5 Env; B5(JIS); B6 (JIS); 216mm x 340mm; Custom
Media handling	**Standard input**: Up to 250 sheet and 10 envelope **Standard output**: Up to 250 sheet and 10 envelope
Media weight	60 to 163gram cut sheet paper
Input capacity	**Tray 1**: plain, light1, EcoEfficient, Heavy1 and Heavy2 **Maximum**: up to 250 sheets
Output capacity	**Standard**: 100 sheets Envelopes: up to 10 envelope Transparencies: NO transparency support **Maximum**: 100 sheets
Compatible operating systems	Windows 11; Windows 10; Windows 7; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Linux
Compatible network operating systems	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit; Linux (For more information see http://developers.hp.com/hp-linux-imaging-and-printing)
Minimum system requirements	**Windows**: Microsoft® Windows® 11, 10, 7 SP1: 32-bit or 64-bit, 2 GB available hard disk space, 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	No CD inbox (except Indonesia and China Gov) Downloadable Software from hp.com or 123.hp.com #CD include HP Software Installer, Uninstaller, printer driver and other essential tools
Security management	Secure Boot, Secure Firmware Integrity, Runtime Code Integrity, password protected EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; TLS 1.0/1.1 disabled by default; OpenSSL version 1.1.1; Enable/disable Network ports; SNMPv1, SNMPv2, and SNMPv3, Community password change; Secure defaults, Encrypted data at rest, Active FW update, Admin password by default, Cipher & TLS selection; Account lockout; Secure Wi-Fi setup
Printer management	HP Printer Assistant (UDC); HP Device Toolbox; HP Utility (Mac)
Dimensions and weight	
Printer dimensions (W x D x H)	**Minimum** 348.7 X 285 X 214.8 mm; **Maximum**: 348.7X390.5X214.8 mm
Printer weight	6.2 kg
Operating environment	**Temperature**: 15 to 32.5°C **Humidity**: 30 to 70% RH
Storage conditions	**Temperature**: -20 to 60°C
Acoustics	**Acoustic power emissions**: 6.2 B(A) **Acoustic pressure emissions**: 50 dB(A)
Power[3]	**Requirements**: Printer_110V; RMN : L12543A; Rated Voltage : 110-127V; Rated Current : 5.2A; Frequency : 50/60Hz; Printer_220V; RMN : L12543E; Rated Voltage : 220-240V; Rated Current : 2.9A; Frequency : 50/60Hz; **Consumption**: Active printing: 354w, Ready: 1.59w, Sleep: 0.46w, Manual Off: 0.05w, Auto Off/Manual On: 0.05w, Auto-Off/Wake on LAN: 0.4w; **Typical Electricity Consumption (TEC)**[3]: Energy Star: 0.187Kwh/week; Blue Angel: 0.197Kwh/week; **Power supply type**: Internal (built-in) Power Supply
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology
Certifications	RCM (Australia), TUV and GS Mark (Germany), BSMI (Taiwan), CCC (China), BIS (India), KC (South Korea), SIRIM (Malaysia), Cambodia, Ukraine, EAC, Eastern European approvals, CE Marking, FCC, Energy Star, UL, Paraguay, Chile, Argentina, Indonesia, Singapore, Philippines, etc. **Electromagnetic emission standard**: CISPR32:2015 & CISPR 35:2016 /EN55032:2015 - Class B; EN 61000-3-2:2019; EN 61000-3-3:2013+A1:2019; EN 55035:2017; FCC Title 47 CFR, Part 15 Class B/ICES-003, Issue 6 EPEAT® Silver registered; Blue Angel **Blue Angel compliant** Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies **Telecom compliance**: Wireless: EU RED 2014/53/EU; ETSI EN 301 489-1 V2.2.3 / ETSI EN 301 489-17: V3.1.1; EN 300 328: V2.2.2 / EN301 893 V2.1.1/ EN300 440-1 V2.1.1; FCC Title 47 CFR, Part 15 Subpart C & E / RSS 247 Issue 1, 2015 & RSS 102 Issue 5, 2015; IEC 62311:2007 / EN62311:2008
Sustainable impact specifications	Recyclable through HP Planet Partners; Contains post-consumer recycled plastic
Country of origin	Made in Vietnam
What's in the box[1]	2R3E3A HP Black Original LaserJet Tank Imaging Drum (introductory ~5000 page black toner yield provided), Power Cord, Setup Guide, Reference Guide, Regulatory/Support Flyers, CD (for APJ only)
Warranty	One-year limited hardware warranty. For more info, please visit us at https://support.hp.com

Footnotes

[1] Actual yield varies considerably based on content of printed pages and other factors. Average based on ISO/IEC 19752 and continuous printing. Additional printed pages require toner reload. For details see www.hp.com/go/learnaboutsupplies.

[2] Based on internal HP comparison of cost-per-page of in-class HP LaserJet Pro M15 and HP LaserJet Pro MFP M28 using standard-fill HP 44A/48A/47A Black Original LaserJet Toner Cartridge. For page yield details see www.hp.com/go/learnaboutsupplies.

[3] Toner Reload Kit is not included with the printer; please purchase separately.

[4] Over 75% plastic reduction is calculated by comparing the weight of the plastic in HP Neverstop Laser 103/143 A/AD and HP Laser NS 108 A/AD Toner Reload Kit and its packaging.

[5] When used in accordance with instructions. Average reload time based on HP internal testing.

[6] The yield of imaging drum is approximately 50,000 single-sided pages (letter or A4 size paper). There are many factors that determine the actual drum useful life, such as temperature, humidity, type of paper, type of toner used and other variables. The imaging drum unit is replaceable through authorized service provider.

[7] Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Learn more at 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). Internet access required and must be purchased separately.

[8] 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.

[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, please see: keypointintelligence.com/HPSmartApp

Technical specifications disclaimers

[1] HP Black Original LaserJet Tank Imaging Drum (introductory ~5,000 page black toner yield provided). For yield information included with your printer, see http://www.hp.com/go/toneryield. Yield values measured in accordance with ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors.

[2] HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade. 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: HPSmart.com at Internet access required and must be purchased separately. HP account required for full functionality. List of supported operating systems available in app stores.

[3] 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. Energy Star value typically based on measurement of 115V device.

[4] Declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/toneryield

[5] Wi-Fi Direct® footnote: Mobile device needs to be connected to Wi-Fi Direct® signal of a Wi-Fi Direct-supported AiO or printer prior to printing. Details at hp.com/go/mobileprinting. Wi-Fi Direct® is a registered trademark of Wi-Fi Alliance®.

[6] Measured using ISO/IEC 24734, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

[7] Measured using ISO/IEC 24734 Feature Performance Test, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

[8] Measured using ISO/IEC 17629. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.