



# HP t540 Thin Client

Simple, secure virtual desktop solution.

Transition your fleet to the cloud with the HP t540 Thin Client virtual desktop solution. Confidently deploy in confined workspaces with multiple configuration options and multi-layered security—providing effective collaboration and productivity for the end user.



## Designed for your organization's computing needs.

- Set up your HP t540 Thin Client, choosing from a variety of positions and mounting options to fit compact spaces. Ensure your fleet is equipped for productivity with configurable ports<sup>2</sup> and an optional DisplayPort over USB Type-C<sup>®</sup> with power delivery<sup>3</sup>.

## Robust security.

- Minimize security threats right from bootup with AMD Memory Guard and UEFI (BIOS) Secure Boot at the component-level. Together with a certified Trusted Platform Module and a cable lock slot—keep your thin clients protected inside and out.

## Instant cloud access. Efficient usability.

- Increase everyday productivity and workforce collaboration with an impressive AMD Ryzen™ System-on-Chip processor<sup>4</sup>, dual UHD/4K<sup>5</sup> display support, and optional W-Fi 6<sup>6</sup>. Get easy device management while providing a seamless user experience.
- Keep your workspace neat and organized with an optional DisplayPort over USB Type-C<sup>®</sup> with USB power delivery on a future-proof docking display—on a single USB-C<sup>®</sup> cable.<sup>1</sup>
- Set it. Mount it. Stand it. Conveniently position the thin client in up to six different orientations with a VESA mount.
- Configure your device with an external Wi-Fi<sup>®</sup> antenna, Serial, VGA, HDMI, DisplayPort™ over USB-C<sup>®</sup>, or two USB-A 3.1 Gen 1 ports for use of existing legacy and new peripherals.<sup>2</sup>
- Rely on the built-in durability of the HP t540 Thin Client, with 120,000 hours of testing, utilizing the HP Total Test Process. Keep up with extended hours of use over a prolonged period—reducing downtime and maintaining business performance.<sup>7</sup>
- Defend against cold-boot attacks with AMD Memory Guard. Full memory encryption protects at the component level, offsetting threats to sensitive data.
- Protect device firmware from bootup to shut down with the UEFI Secure Boot. HP t540 Thin Client firmware implements NIST SP800-147 and SP800-155 integrity measurement guidelines.
- Deliver a secure and simple user experience for both IT and end users. The optional HP ThinPro OS features multi-layered security, with a read-only and locked file system, encrypted registry, Linux<sup>®</sup>-based OS, and firewall support.<sup>8</sup>
- Ease the burden of IT admins in Windows environments with HP Write Manager, a simple write filter solution that works across multiple Windows versions and prevents unauthorized changes to end user environments.
- Deter device theft in public environments with an integrated cable lock slot and physically lock down your device, assuring IT's peace of mind.<sup>9</sup>
- Tap into truly impressive processor performance with AMD Ryzen™. Tackle tasks using multiple business-critical applications at once, enhancing productivity and collaboration while avoiding crippling slowdowns.<sup>10</sup>
- Get the most out of your CPU with the speed of the latest AMD processor, multiple port options for peripherals, flexible device placement for clean workspaces, and security with AMD Memory Guard.
- Enhance productivity working across multiple screens with dual displays. The HP t540 supports dual 4K displays for stunning, true-to-life definition.<sup>11</sup>

## HP t540 Thin Client Specifications Table



<b>Available Operating Systems</b>	Windows 10 IoT Enterprise LTSC 2019 HP Smart Zero Core HP ThinPro
<b>Browser</b>	Internet Explorer (for models with Windows 10 IoT Enterprise LTSC 2019); Mozilla Firefox (for models with HP ThinPro)
<b>Available Processors<sup>1,7</sup></b>	AMD Ryzen™ Embedded R1305G with Radeon™ Vega 3 Graphics (1.5 GHz base clock, up to 2.8 GHz max boost clock, 4 MB L3 cache, 2 cores)
<b>Maximum memory</b>	16 GB DDR4-2400 SDRAM <sup>2</sup> Transfer rates up to 2400 MT/s.
<b>Memory slots</b>	1 SODIMM
<b>Internal storage</b>	16 GB up to 512 GB NAND flash memory; non-volatile
<b>Display support</b>	Up to 2 displays supported. Two DisplayPort™ 1.2 video outputs provided at the back of the system.
<b>Protocols</b>	Citrix® HDX; Citrix® ICA; VMware Horizon® View™ through RDP/PCoIP, and Blast Extreme; Remote Desktop Services Remote FX (RFX), RDP
<b>Audio</b>	Internal amplified speaker system for basic audio playback
<b>Ports and Connectors</b>	Front: 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 SuperSpeed USB Type-C® 5Gbps signaling rate Back: 1 RJ-45; 2 DisplayPort™ 1.2; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 AC power; 2 USB 2.0 Type-A Optional Ports: 1 HDMI; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 serial; 1 VGA; 1 external antenna connector; 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery)
<b>Input devices</b>	HP USB Slim Business Keyboard; HP USB Business Slim SmartCard CCID Keyboard; HP USB Optical Mouse;
<b>Communications</b>	LAN: Realtek RTL8111HSH GbE <sup>3</sup> ; WLAN: Intel® Wi-Fi 6 AX200 and Bluetooth® 5 Combo <sup>3,4</sup> ;
<b>Environmental</b>	Operating temperature: 10 to 40° C;
<b>Software</b>	HP Device Manager; HP Easy Shell; HP Easy Tools; HP Smart Zero Client Services; HP ThinUpdate; HP True Graphics; Microsoft SCCM/EDM Agent <sup>5</sup>
<b>Power</b>	HP Smart 45 W External AC power adapter
<b>Dimensions</b>	3.5 x 20 x 20 cm
<b>Energy efficiency compliance</b>	ENERGY STAR® certified and EPEAT® Silver registered configurations available <sup>6</sup>
<b>Warranty</b>	3 year (3-3-0) limited warranty and service offering includes 3 years of parts and labor. Terms and conditions vary by country. Certain restrictions and exclusions apply.

## HP t540 Thin Client

### Accessories and services (not included)

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#### HP EliteDisplay E243 60.45 cm (23.8") Monitor



Style meets substance in a strikingly modern business display crafted for optimal viewing, productivity, and ergonomics. The HP EliteDisplay E243 60.45 cm (23.8") Monitor has a 3-sided micro-edge bezel for seamless multi-display tiling and 4-way adjustability so you can comfortably power through your day. The thin client that offers a more secure and reliable environment, with extensive management capabilities in a mobile device.  
**Product number: 1FH47AA**

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#### HP USB Slim Business Keyboard



Get fast data entry and quick USB connectivity with the HP USB Business Slim Keyboard, designed to complement the 2015 class of HP Business PCs. Stable, low-cost and desktop-like performance providing maximum security.  
**Product number: N3R87AA**

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#### HP USB 1000dpi Laser Mouse



Obtain the speed and accuracy of laser tracking in a simple, elegant design with the HP USB 1000dpi Laser Mouse – for the latest in laser sensing technology. Stable, low-cost and desktop-like performance providing maximum security.  
**Product number: QY778AA**

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#### HP 5 year Next Business Day Advanced Exchange Hardware Support for Thin Clients



HP provides quick replacement of your failed hardware unit the day after it goes down, if the problem can't be resolved remotely, for 5 years.  
**Product number: U7929E (HP 5 year Next Business Day Advanced Exchange Hardware Support for Thin Clients), U7927E (HP 4 year Next Business Day Advanced Exchange Hardware Support for Thin Clients), U4847E (HP 3 year Next Business Day Advanced Exchange Hardware Support for Thin Clients)**

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# HP t540 Thin Client

## Messaging Footnotes

<sup>1</sup> Mounting hardware not included and sold separately.

<sup>2</sup> Port options must be configured at time of purchase.

<sup>3</sup> DisplayPort option must be configured at time of purchase. USB-C® cable sold separately and not included.

<sup>4</sup> Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. AMD's numbering is not a measurement of clock speed.

<sup>5</sup> 4K content required to view 4K images. Displays sold separately and not included.

<sup>6</sup> Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax devices.

<sup>7</sup> MHP Total Test Process testing is not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

<sup>8</sup> HP Thin Pro is configurable at purchase.

<sup>9</sup> Cable and lock sold separately and not included.

<sup>10</sup> Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. AMD's numbering is not a measurement of clock speed.

<sup>11</sup> 4K content required to view 4K images. Displays sold separately and not included.

## Technical Specifications Footnotes

<sup>1</sup> Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. AMD's numbering is not a measurement of clock speed.

<sup>2</sup> Graphics chipset uses part of the total system memory (RAM) for graphics performance. System memory dedicated to graphics performance is not available for other use by other programs.

<sup>3</sup> Optional or add-on feature.

<sup>4</sup> Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. The specifications for Wi-Fi 6 (802.11ax WLAN) are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax WLAN devices. Only available in countries where 802.11ax is supported.

<sup>5</sup> Software is dependent on operating system installed. Please refer to this product's QuickSpec for more details.

<sup>6</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country.

<sup>7</sup> Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

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