

HP t540 Thin Client (A1ZZ4UT)



Overview

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.

Adapt to workforce needs with the HP t540 Thin Client. Multiple options for placement and mounting[1] allow easy setup, fitting into almost any workspace.

Instant cloud access. Efficient usability.

Increase everyday productivity and workforce collaboration with an impressive AMD Ryzen™ System-on-Chip processor[4] and dual UHD/4K[5] display support. Get easy device management while providing a seamless user experience.

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.

Features

Modern flexibility

Set it. Mount it. Stand it. Conveniently position the thin client in up to six different orientations with a VESA mount.

Engineered to last

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.

Neutralize threats and keep data safe and secure

Defend against cold-boot attacks with AMD Memory Guard. Full memory encryption protects at the component level, offsetting threats to sensitive data.

Protect your fleet with device security for resiliency and recovery.

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.

Make IT management and security a breeze.

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.

Secure your device with a cable lock slot

Deter device theft in public environments with an integrated cable lock slot and physically lock down your device, assuring IT's peace of mind.

[1] Mounting hardware not included and sold separately.

[4] 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.

[5] 4K content required to view 4K images. Displays sold separately and not included.

Specifications

Operating system	IGEL OS
Processor	AMD Ryzen™ Embedded R1305G (1.5 GHz base clock, up to 2.8 GHz max boost clock, 4 MB L3 cache, 2 cores)
Memory	4 GB DDR4-2400 MHz RAM (1 x 4 GB)
Memory Slots	1 SODIMM
Internal Storage	32 GB eMMC
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ Graphics
Audio	Internal amplified speaker system for basic audio playback
Minimum dimensions (W x D x H)	3.5 x 20 x 20 cm
Minimum dimensions (W x D x H)	1.38 x 7.87 x 7.87 in
Weight	1.4 kg <i>(Weight will vary depending on configuration.)</i>
Weight	3.09 lb <i>(Weight will vary depending on configuration.)</i>
Keyboard	HP USB Slim Business Keyboard
Pointing device	HP USB Mouse
Ports	1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 SuperSpeed USB Type-C® 5Gbps signaling rate
Ports	1 RJ-45; 2 DisplayPort™ 1.2; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 AC power; 2 USB 2.0 Type-A
Protocols	Citrix® HDX; Citrix® ICA; VMware Horizon® View™ through RDP/PCoIP, and Blast Extreme; Remote Desktop Services Remote FX (RFX), RDP
Power	HP Smart 45 W External AC power adapter
Software included	HP Device Manager; HP Easy Shell; HP Easy Tools; HP Smart Zero Client Services; HP ThinUpdate; HP True Graphics; Microsoft SCCM/EDM Agent ^[5]
Browser supported	Internet Explorer (for models with Windows 10 IoT Enterprise LTSC 2019); Mozilla Firefox (for models with HP ThinPro)
UPC number	198122886685
Manufacturer Warranty	3 year limited warranty

Additional specifications

Accessories	HP Quick Release Kit 6KD15AA; HP B300 PC Mounting Bracket 2DW53AA; HP B500 PC Mounting Bracket 2DW52AA; HP TC 2mm VESA spacer (20 pcs per kit) 1R2G7A6; HP DisplayPort Cable Kit VN567AA; HP DisplayPort to DVI-D Adapter FH973AA; HP DisplayPort to HDMI True 4K Adapter 2JA63AA; HP DisplayPort to VGA Adapter AS615AA; HP HDMI Standard Cable Kit T6F94AA; HP USB Business Slim CCID SmartCard Keyboard Z9H48AA; HP USB Business Slim Keyboard N3R87AA; HP Wireless Business Slim Keyboard and Mouse N3R88AA; HP USB Optical Mouse QY777AA; HP 16 GB DDR4-2666 SODIMM 3TK84AA; HP 4 GB DDR4-2666 SODIMM 3TK86AA; HP 8 GB DDR4-2666 SODIMM 3TK88AA; HP 64 GB M.2 2242 Flash Memory Drive F3V79AA
ECC memory	non-ECC
I/O Port location	Back
I/O Port location	Front
Keyboard interface	USB
Memory layout (slots & size)	1 x 4 GB
Memory module type	DIMM
Memory size	4
Memory size uom	GB
Memory speed	2400
Memory speed uom	MHz
Memory type	DDR4
Number of memory slots	1
Operating temperature range	10 to 40° C
Operating temperature range	50 to 104° F
Processor Brand	AMD
Processor base frequency	1.5
Processor cache	4 MB L3
Processor core	2
Processor family	Ryzen™
Processor frequency UOM	GHz
Processor maximum frequency	2.8
Processor maximum frequency uom	GHz
Processor threads	2
Product long name specifications	HP t540 Thin Client, IGEL OS, AMD Ryzen™, 4GB RAM, 32GB eMMC
Product short name specifications	HP t540 Thin Client, AMD Ryzen™, 4GB RAM, 32GB eMMC
Standard memory note	Transfer rates up to 2400 MT/s.

Storage capacity	32
Storage capacity uom 01	GB
Storage form factor 01	M.2
Storage type	eMMC
Storage type 01	eMMC
UNSPSC code	43211506

[5] Software is dependent on operating system installed. Please refer to this product's QuickSpec for more details.

Accessories for PC

Security

★ : Recommended

Security Cables

HP Keyed Cable Lock 10 mm

T1A62AA ★

Stands/Mounting Brackets

Mounting Brackets

HP Quick Release Bracket 2

6KD15AA ★

HP Thin Client Mounting Bracket

2FT00AA ★

Dual VESA Mount Bracket for HP Thin Client

9UB87AA

HP B300 PC Mounting Bracket

2DW53AA

HP B300 PC Mounting Bracket

2DW53AT

HP Quick Release Bracket 2

6KD15AT

Thin Client 2mm VESA Spacer Bulk Kit

1R2G7A6

Thin Client Recessed VESA Spacer Bulk Kit

1R2G8A6

Stands

HP Integrated Work Center for Desktop Mini and Thin Client

G1V61AA

HP Integrated Work Center for Desktop Mini and Thin Client

G1V61AT

Power

Power Adapters

HP Thin Client 45W Power Supply

Y3U71AA ★

HP 65W USB-C LC Power Adapter

1P3K6AA

HP 65W USB-C LC Power Adapter

944V0AA

HP Thin Client 45W Power Supply and Power Cable

Y3U68AA

Mice/Pens/Other Pointing Devices

Wired Mice

HP 128 Laser Wired Mouse

265D9AA

HP Wired Desktop 320M Mouse

9VA80AA

HP Wired Desktop 320M Mouse

9VA80UT

Wireless Mice

HP 635 Multi-Device Wireless Mouse	1D0K2AA
HP 635 Multi-Device Wireless Mouse	1D0K2ET
HP 935 Creator Wireless Mouse	1D0K8AA
HP 935 Creator Wireless Mouse	1D0K8ET
HP 935 Creator Wireless Mouse	1D0K8UA

Components/Upgrades

Memory

HP 16GB DDR4-3200 SODIMM	13L75AA
HP 16GB DDR4-3200 SODIMM	13L75AT
HP 8GB DDR4-3200 SODIMM	13L77AA

Keyboards/Other Input Devices

Wireless Combo

HP 235 Wireless Mouse and Keyboard Combo	1Y4D0AA
HP 235 Wireless Mouse and Keyboard Combo	1Y4D0UT
HP 655 Wireless Keyboard and Mouse Combo	4R009AA
HP 655 Wireless Keyboard and Mouse Combo	4R009UT
HP Wireless Rechargeable 950MK Mouse and Keyboard	3M165AA

Wired Keyboards

HP Business Slim Smartcard Keyboard	Z9H48AA
HP Business Slim Smartcard Keyboard	Z9H48AT
HP Wired Desktop 320K Keyboard	9SR37AA
HP Wired Desktop 320K Keyboard	9SR37UT

Wired Combo

HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA
HP Wired Desktop 320MK Mouse and Keyboard	9SR36UT

Video Devices

Video Devices

HP 435 FHD Webcam	77B10AA
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HP 625 FHD Webcam	6Y7L1AA
HP 625 FHD Webcam	6Y7L1ET

Port Replicators/Dongles/Docking

Cables/Cable Adapters/Dongles

HP DisplayPort Cable Kit	VN567AA
HP DisplayPort To VGA Adapter	AS615AA
HP DisplayPort To VGA Adapter	F7W97AA
HP DisplayPort to DVI-D Adapter	FH973AA
HP DisplayPort to HDMI True 4K Adapter	2JA63AA

Docking

HP USB-C Dock G5	26D32AA
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Monitors

Business Monitors

★ : Recommended

P-Series

HP P24h G4 FHD Monitor	7VH44AA ★
HP P24v G4 Monitor	9TT78AA

E-Series

HP E14 G4 Portable Monitor	1B065AA
HP E24 G4 FHD Monitor	9VF99AA
HP E24i G4 WUXGA Monitor	9VJ40AA
HP E24mv G4 FHD Conferencing Monitor	169L0AA
HP E24u G4 FHD USB-C Monitor	189T0AA
HP E27q G4 QHD Monitor	9VG82AA
HP E27u G4 QHD USB-C Monitor	189T3AA

Business LCD Monitors

HP P204v 19.5-inch Monitor	5RD66A7
HP P204v 19.5-inch Monitor	5RD66AA

Z Displays

HP Z24f G3 FHD Display	3G828AA
HP Z24n G3 WUXGA Display	1C4Z5AA
HP Z24u G3 WUXGA USB-C Display	1C4Z6AA
HP Z27k G3 4K USB-C Display	1B9T0AA
HP Z27q G3 QHD Display	1C4Z7AA
HP Z27u G3 QHD Display	1B9X2AA
HP Z38c 37.5-inch Curved Display	Z4W65A4
HP Z38c 37.5-inch Curved Display	Z4W65A8
HP Z38c 37.5-inch Curved Display	Z4W65AT

Accessories

Point of Sales System Options

★ : Recommended

POS Display Accessories

HP Engage One 10.1-inch Display	1XD80A7
HP Engage One 10.1-inch Display	1XD80AA
HP Engage One 10.1-inch Display	1XD81A7
HP Engage One 10.1-inch Touch Display	1XD81AA
HP Engage One W 10.1-inch Display	3FH66A8
HP Engage One W 10.1-inch Display	3FH66AA
HP Engage One W 10.1-inch Touch Display	3FH67A8
HP Engage One W 10.1-inch Touch Display	3FH67AA
HP L5010ta	2KY27AA
HP L5015ta	2KY28AA
HP L7010t 10.1-inch Retail Touch Monitor	T6N30A8
HP L7010t 10.1-inch Retail Touch Monitor	T6N30AA
HP L7014 14-inch Retail Monitor	T6N31A8
HP L7014 14-inch Retail Monitor	T6N31AA
HP L7014t 14-inch Retail Touch Monitor	T6N32A8
HP L7014t 14-inch Retail Touch Monitor	T6N32AA
HP L7016t 15.6-inch Retail Touch Monitor	V1X13A8
HP L7016t 15.6-inch Retail Touch Monitor	V1X13AA

Education

★ : Recommended

Education

Higher Education

HPHIEDUOVRVIEW

Audio

★ : Recommended

Wired Headset

Poly Blackwire C5220 USB-A Headset	7S4L8AA
Poly EncorePro 310 Monaural USB-A Headset TAA	767G1AA
Poly EncorePro 320 Stereo USB-A Headset TAA	767G0AA
Poly EncorePro 525 Microsoft Teams Certified Stereo with USB-A Headset	783R2AA
Poly EncorePro 525 USB-A Stereo Headset	783R3AA

Solutions

Cloud Client Solutions

★ : Recommended

Cloud Client Solutions

Thin Client Solution for Contact Centers	TC-CONTACTCTR
Thin Client Solution for Healthcare	TC-HEALTH

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