



HP t640 Thin Client Bundle (7A6G6UT)



Overview

The highly secure thin client optimized for workplace productivity

Tackle your hybrid local and virtual computing workloads with the HP t640 Thin Client. Help keep your data and device safe across your workflows with built-in security features. Choose the right fit for your specific users and environment with a range of subsystem options.

Maximize what you can accomplish

Empower your workforce with performance that conquers every task—an AMD Ryzen™ R1505G processor[1], high-speed, responsive system memory, and native support for up to three UHD/4K displays.

Modern flexibility

Select from up to 35 different subsystem options, including wired or wireless networking and support for legacy peripherals. Conveniently position the thin client in up to six different orientations with an integrated VESA mount.[2]

Refined security

Encrypt data as it flows between the system memory and processor, protect firmware, and lock down access with an inherently secure thin client that has AMD Memory Guard, an embedded OS, and a NIST SP800-193 component.

Value-added software

Remotely setup and deploy your devices and get local-quality multimedia with exclusive software that makes our thin clients capable, responsive, and reliable.

Features

Optimize for your environment

Balance the load on remote resources with the HP t640 Thin Client that easily integrates into your virtualized computing or a hybrid cloud computing environment.

Built for the modern workspace

Create a more modern workspace by configuring your HP t640 Thin Client to work with a USB-C® docking display.

Proactive protection controls

Deter unauthorized updates with an embedded operating system that protects flash memory. Customize user settings and permissions to monitor and control incoming and outgoing data.

Do not disturb

Create a working environment focused on productivity with the fanless t640 Thin Client equipped with modern solid-state drives for near silent operation.

[1] 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.

[2] Mounting hardware sold separately.

Specifications

Operating system	HP ThinPro
Processor	AMD Ryzen™ R1505G (2.4 GHz base clock, up to 3.3 GHz max boost clock, 4 MB L3 cache, 2 cores)
Memory	4 GB DDR4-2400 MHz RAM (1 x 4 GB)
Memory Slots	2 SODIMM
Internal Storage	32 GB M.2 Flash memory
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ Vega 3 Graphics
Audio	Internal amplified speaker system for basic audio playback
Minimum dimensions (W x D x H)	3.5 x 19.6 x 19.6 cm (Vertical orientation.)
Minimum dimensions (W x D x H)	1.24 x 7.71 x 7.71 in (Vertical orientation.)
Weight	1 kg (Weight will vary depending on configuration.)
Weight	2.2 lb (Weight will vary depending on configuration.)
Keyboard	HP USB Slim Business Keyboard
Pointing device	HP USB optical mouse
Ports	1 headphone/microphone combo; 1 USB 3.1 Gen 1; 1 USB 3.1 Type-C™ Gen 2; 1 USB 3.1 Gen 2
Ports	1 audio-in; 2 USB 2.0; 2 USB 3.1 Gen 1; 3 DisplayPort 1.2
Wireless	Realtek RTL8852AE Wi-Fi 6 (2x2) and Bluetooth® 5.2 wireless card
Protocols	Citrix® HDX; Microsoft RFX/RDP; VMware Horizon® View™ through RDP/PCoIP, and Blast Extreme
Power	45 W smart external power adapter
Sustainable impact specifications	Low halogen
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
Browser supported	Internet Explorer (for models with Windows 10 IoT Enterprise LTSC 2019); Mozilla Firefox (for models with HP ThinPro)
UPC number	197029934697

Additional specifications

Accessories	HP Quick Release Kit EM870AA; HP B300 PC Mounting Bracket 2DW53AA; HP B500 PC Mounting Bracket 2DW52AA; HP USB Business Slim Keyboard N3R87AA; HP Wireless Business Slim Keyboard and Mouse N3R88AA
Bluetooth version	Bluetooth® 5.2
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
Processor Brand	AMD
Processor cache	4 MB L3
Processor core	2
Processor maximum frequency	3.3
Processor maximum frequency uom	GHz
Processor threads	2
Product long name specifications	HP t640 Thin Client Bundle, HP ThinPro, AMD 4GB RAM, 32GB eMMC
Product short name specifications	HP t640 Thin Client Bundle, AMD 4GB RAM, 32GB eMMC
Standard memory note	Transfer rates up to 2400 MT/s.
Storage capacity	32
Storage capacity uom 01	GB
Storage type	eMMC
Storage type 01	eMMC
UNSPSC code	43211506
Wireless Model	RTL8852AE
Wireless antenna	2x2
Wireless standard	Wi-Fi 6

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