

HP Elite t655 Thin Client (B49BRUA)



One of the best thin clients from HP for versatility and performance with robust security and productivity features.

The flexible performance options of the HP Elite t655 Thin Client enables workforce productivity, while commercial-grade security features provide IT peace of mind. Built to support demanding performance requirements, this device helps end users tackle daily tasks, while versatile configuration options help optimize workspaces.



Refined security

The HP Elite t655 Thin Client features multi-layered security with AMD Memory Guard, an embedded OS, and more.

Flexible configurations

Create a functional workspace with docking displays and stations, and select peripheral devices.
[4]

Built for productivity

Enhance performance with a next gen AMD Ryzen™ Embedded R-Series processor[1] and up to three UHD/4K displays.[5]

Specifications

Operating System Software	Windows 11 IoT Enterprise 2024 LTSC
Processor Name	AMD Ryzen™ Embedded R2314 (up to 3.5 GHz max boost clock, 2 MB L2 cache, 4 cores, 4 threads)
Standard Memory Description 01	8 GB DDR4-3200 MT/s (2 x 4 GB)
Memory Slots	2 SODIMM
Hard Drive Description (01)	256 GB PCIe® NVMe™ SSD
Graphics Card Segment 01	Integrated
GScardseg 01 Available Card 01	AMD Radeon™ Graphics
Audio Features	Internal amplified speaker system for basic audio playback
Product Dimensions (metric)	3.5 x 20 x 20 cm (Vertical orientation.)
Product Dimensions (imperial)	1.38 x 7.87 x 7.87 in (Vertical orientation.)
Weight (metric)	1.12 kg (without stand); 1.17 kg (with stand) (Weight will vary depending on configuration.)
Weight (imperial)	2.5 lb (without stand); 2.6 lb (with stand) (Weight will vary depending on configuration.)
Keyboard	HP USB Keyboard
Pointing Device	HP Wired 320M Mouse
External I/O Ports	1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 SuperSpeed USB Type-A 10Gbps signaling rate; 1 3.5 mm audio jack
External I/O Ports 02	2 USB Type-A 10Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate; 3 DisplayPort™ 1.4; 1 RJ-45; 1 audio-in/out
Network Interface	Realtek RTL8111HSH-CG GbE
Protocols supported (long)	Citrix® HDX; Microsoft RFX/RDP; VMware Horizon® through RDP/PCoIP
Power Supply Required	HP Smart 45 W External AC power adapter
Sustainability Specifications	Low Halogen
Software Included	HP Device Manager; HP Easy Shell; HP Easy Tools; HP ThinUpdate; HP True Graphics; HP Cloud Endpoint Manager; Microsoft AVD; HP Write Manager ^[10,11]
Browser Supported Description	Mozilla Firefox (for models with HP ThinPro); Microsoft Edge (for models with Windows 10 IoT Enterprise LTSC 2021)
UPC Number	(ABA) 198828829368; (ABC) 198828829665

Top Recommended Displays, Accessories and Services

Series 5 Pro

HP Series 5 Pro 23.8 inch FHD Monitor - 524pf	9D9L6UT
---	---------

Wired Headset

Poly EncorePro 525 USB-A Stereo Headset	783R3AA
Poly EncorePro 320 Stereo USB-A Headset TAA	767G0AA

Messaging Footnotes

[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.

[4] Peripherals sold separately or as optional features. Compatible with HP E24m G4 FHD USB-C Conferencing Monitor, HP E24u G4 FHD USB-C Monitor, HP E27u G4 QHD USB-C Monitor, HP E27m G4 QHD USB-C Conferencing Monitor, and HP USB-C Dock G5.

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

Technical Specifications Footnotes

[10] HP Easy Shell is currently available on Windows Embedded Standard 7E, Windows Embedded Standard 7P, Windows Embedded 8 Standard, Windows Embedded 8.1 Industry Pro, Windows 10 IoT Enterprise 2016 LTSC, and Windows 10 IoT Enterprise 2019.

[11] HP CEM requires Windows 10 IoT Enterprise LTSC 2016 or later or HP ThinPro 7.2 operating system or later on endpoint and Internet access. Visit <https://www.hp.com/us-en/solutions/cloud-computing/thin-client-software.html> to download or view the complete details, features and configuration requirements.

© Copyright 2025 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

AMD, Ryzen, Athlon, and Radeon are trademarks of Advanced Micro Devices, Inc. Bluetooth is a trademark of its proprietor, used by HP Inc. under license. USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum. Adobe PDF is a trademark of Adobe Systems Incorporated. ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. NVIDIA, the NVIDIA logo, Quadro, and GeForce are trademarks and/or registered trademarks of NVIDIA Corporation in the US, and other countries. All other trademarks are the property of their respective owners.

