Data sheet

HP Elite t655 Thin Client

Versatile thin client adapts to your business

Align your fleet with your business strategy, whether in the office, at home, or both. Keep up with demanding performance requirements employing the next gen AMD Ryzen™ Embedded R-Series processor[1] and a choice of operating system[2] and storage options.



*Product image may differ from actual product

Refined security

- Encrypt data as it flows between the system memory and processor, protect firmware, and lock down access. The HP Elite t655 Thin Client features multi-layered security with AMD Memory Guard, an embedded OS, and a NIST SP800-193 component.

Flexible configurations

- Organize your workspace with a wide variety of configuration options. Set it, mount it, stand it in up to six different orientations with a VESA® mount[3] and get seamless compatibility with select docking devices and peripherals.[4]

Maximize what you can accomplish

- Empower your workforce with the combined power and performance of the next gen AMD Ryzen™ Embedded R-Series processor[1], a high-speed, responsive NVMe solid-state drive, and native support for up to three stunning UHD/4K displays.[5]
- The firmware Trusted Platform Module (TPM) provides hardware-based encryption keys to help secure your data, e-mail, and user credentials.[7]
- Create a more modern, updated workspace by enabling additional ports and configuring your HP Elite t655 Thin Client to work with a USB-C® docking display or docking station.[4]
- Deliver a secure and easy user experience for IT and end users. The Linux®-based HP ThinPro 8.0 OS[8] features advanced multi-level security and a simple UI, supports remote device management and multiple cloud computing and collaboration tools.
- Configure your device with an external Wi-Fi® antenna, Serial, VGA, HDMI, DisplayPort™ over USB-C®, or two USB-A 3.1 Gen 1 ports for use of existing legacy and new peripherals.[9]
- Simply press a key to wake your thin client from sleep mode. This optional WOSK feature makes it quick and easy to back to your activities.[10]
- Bring your teams together to collaborate through text, voice, and video with support for whichever major unified communications platform that suits your company's needs.[11]
- Deter device theft in public environments with an integrated cable lock slot and physically lock down[12] your device, assuring IT's peace of mind.
- 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 helps prevent unauthorized changes.
- Enhance productivity working across multiple screens. The HP Elite t655 Thin Client supports up to three 4K displays[5] for stunning definition.
- Defend against cold-boot attacks with AMD Memory Guard. Encrypting data as it flows between system memory and the processor helps protect from outside interlopers, isolating and protecting at the component level, offsetting threats to sensitive data.

HP Elite t655 Thin Client Specifications Table





*Product image may differ from actual product

Available Operating Systems	Windows 10 IoT Enterprise 2021 LTSC[1] HP ThinPro IGEL OS
Available Processors[14,15]	AMD Ryzen™ Embedded R2314 with Radeon™ Graphics (2.1 GHz base clock, up to 3.5 GHz max boost clock, 2 MB L2 cache, 4 cores, 4 threads)
Browser	Mozilla Firefox (for models with HP ThinPro); Microsoft Edge (for models with Windows 10 IoT Enterprise LTSC 2021)
Maximum memory	32 GB DDR4-2667 SDRAM [3] Transfer rates up to 2667 MT/s
Memory slots	2 SODIMM
Internal storage	32 GB up to 512 GB Flash memory[2]
Display support	Up to 3 displays with three DisplayPort™ 1.2 video outputs provided at the back of the system.
Available Graphics	Integrated: AMD Radeon™ Graphics
Protocols	Citrix® HDX; Microsoft RFX/RDP; VMware Horizon® through RDP/PCoIP
Audio	Internal amplified speaker system for basic audio playback
Ports and Connectors	Front: 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 SuperSpeed USB Type-A 10Gbps signaling rate; 1 3.5 mm audio jack ; Back: 1 audio-in/out; 1 RJ-45; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 3 DisplayPort™ 1.2 ; Optional Ports: 1 HDMI; 1 VGA; 1 Dual serial; 1 Fiber NIC; 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™); 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 Fiber NIC (LC/SC connector); 1 Power serial; 1 configurable power serial; 1 external antenna port
Input devices	HP USB 320K wired keyboard; HP Wired 320M Mouse;
Communications	LAN: Realtek RTL8111EPH with DASH support; Realtek RTL8111HSH without DASH support; Allied Telesis AT-27M2/SC-AA Fiber NIC 100FX; Allied Telesis AT-29M2/LC-AA Fiber NIC 1000SX; Allied Telesis AT-29M2/SC-AA Fiber NIC 1000SX [4,5]; WLAN: Realtek RTL8852AE 802.11a/b/g/n/ax (2x2) Wi-Fi® and Bluetooth® 5.2 wireless card; Realtek Wi-Fi 6 RTL8852BE 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.3 wireless card [13];
Software	HP Device Manager; HP Easy Shell; HP Easy Tools; HP ThinUpdate; HP True Graphics; HP Cloud Endpoint Manager; Microsoft AVD; HP Write Manager; DASH support[10,11]
Customization Services	HP Custom Integration Services[6]
Power	45 W smart external power adapter
Dimensions	1.38 x 7.87 x 7.87 in; 3.5 x 20 x 20 cm; (Vertical orientation.)
Weight	2.5 lb (without stand); 2.6 lb (with stand); 1.12 kg (without stand); 1.17 kg (with stand); (Weight will vary depending on configuration.)
Ecolabels	EPEAT® registered[7]
Energy star certified (series fixed)	ENERGY STAR® certified
Certification and compliance	EMC; EN 60601-1-2
Sustainable impact specifications	Low Halogen[8]

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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.
[2] HP Elite t655 Thin Client available with Windows 10 IoT 21H2, HP ThinPro 8.0, and HP Smart Zero Core and must be configured at factory.
[3] Mounting hardware sold separately.
[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.
[7] TPM 2.0 is limited on HP ThinPro/HP Smart Zero, and functionality is dependent upon use of a customer-enabled application that can locate the TPM chip.
[8] HP ThinPro 8.0 OS is an optional feature that may be configured at purchase or sold separately. Please see datasheet for minimum system requirements. HP will provide support and available updates through April 2025.
[9] Port options must be configured at time of purchase.
[10] Optional feature that must be configured at the time of purchase.
[11] Internet access required and not included.
[12] Cable and lock sold separately and not included.

Technical Specifications Footnotes

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com .
[2] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes.
[3] 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.
[4] Optional or add-on feature.
[5] Wireless cards are optional or add-on features and requires separately purchased wireless access point and internet service. Availability of public wireless access points limited.
[6] HP services are sold separately and are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.
[7] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[8] External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.
[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.
[13] Wi-Fi 6 is an optional feature that must be configured at the time of purchase. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs.
[14] 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.
[15] AMD Max Boost frequency performance varies depending on hardware, software and overall system configuration.

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