

HP tz655 Trusted Zero Client

Confidently engage in mission critical work with maximum security – made possible by zero trust architecture.

Connect to your digital workspace with the elevated performance of PCoIP Ultra™ protocol on the low-maintenance HP tz655 Trusted Zero Client. The HP Anyware Trust Center ensures Trusted endpoints and components adhere to the security policies by providing real-time responses to policy incidents. Easily integrated this trusted zero client into existing zero trust networks with simple device configuration and management. Craft and manage zero trust security policies to keep you in control.

Refined security

Encrypt data as it flows between the system memory and processor, protect firmware, and lock down access. The HP tz655 Trusted Zero 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® mount³ 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 processor¹, a high-speed, responsive NVMe solid-state drive, and native support for up to three stunning UHD/4K displays.⁵



*Product image may differ from actual product



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Featuring

Maximum security for mission critical work

Confidently engage in mission-critical work with maximum security—made possible by zero trust architecture. Connect to your digital workspace with the elevated performance of PCoIP Ultra™ protocol on the low-maintenance HP tz655 Trusted Zero Client.

Help secure critical data

The firmware Trusted Platform Module (TPM) provides hardware-based encryption keys to help secure your data, e-mail, and user credentials.⁷

Built for the modern workspace

Create a more modern, updated workspace by enabling additional ports and configuring your HP tz655 Trusted Zero Client to work with a USB-C® docking display or docking station.⁴

Zero trust made simple

Easily integrate this trusted zero client into existing zero trust networks with simple device configuration and management. Craft and manage zero trust security policies and count on real-time monitoring and alerts that keep you in control.

Optimize your device with a choice of ports

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

Secure, validated access to your digital workspace

Safeguard mission-critical work in highly secure organizations with a factory-provisioned birth certificate for access to your zero trust network. Reinforce security with direct secure boot, helping prevent firmware, BIOS, or OS tampering.

Major unified communications platforms support

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

Secure your device with a cable lock slot

Deter device theft in public environments with an integrated cable lock slot and physically lock down¹² your device, assuring IT's peace of mind.

Make IT security a breeze

Control and easily update firmware of Trusted Zero Clients. Provision, onboard, and register trusted devices within your zero trust network. Create trust policies for trusted devices.

Support up to three UHD/4K displays

Enhance productivity working across multiple screens. The HP tz655 Trusted Zero Client supports up to three 4K displays⁵ for stunning definition.

Neutralize threats and keep data safe and secure

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.



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Technical specifications

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)
Maximum memory	8 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
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



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Management features	HP Trust Center Connection Manager (with HP Anyware Trust Center access)
Protocols	PCoIP, PCoIP Ultra
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	ENERGY STAR® certified
Certification and compliance	EMC; EN 60601-1-2
Sustainable impact specifications	Low Halogen ⁸



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Footnotes

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 tz655 Trusted Zero Client offers Windows 10 IoT 21H2, HP ThinPro 8.0, and HP Smart Zero Core.
- 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.
- ⁶ Internet access required and sold separately.
- 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.
- Available for Americas only

Specification 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.

