HP mt32 Mobile Thin Client

Secure, virtual mobility from anywhere.

Enable secure cloud workforce mobility with the ultra-light HP mt32 Mobile Thin Client. Multi-layered security coupled with long battery life, reliable connectivity, and powerful processing ensures virtual productivity from anywhere—all at an accessible price.

*Product image may differ from actual product

Thin, ultra-light design for easy mobility.

- Starting at 1kg[1], this mobile thin client's lightweight metal alloy design provides durability, while long battery life and WWAN connectivity[3] provide the portability and reliability to work from the cloud—almost anywhere.

Seamless productivity and collaboration.

- Easily manage your workload with the impressive AMD Ryzen™ processor[4] and choice of OS. Effectively collaborate with an 88˚ field of view camera, a narrow-bezel Full HD[5] auto-brightness adjusting screen[6], and custom-tuned audio.

Essential security and manageability for cloud computing.

- Get virtual manageability[7] and security peace-of-mind with HP Device Manager and self-healing BIOS from HP Sure Start Gen6[8]. Deter physical security threats with AMD Memory Guard encryption technology, built-in visual hacking defense and locked down OS options.

- Navigate through your day easily with a thin and ultra-light mobile thin client that's less than 0.99 kg. Durably made with premium aluminum and magnesium alloy materials.[1]

- Spend more time getting your work done instead of looking for an outlet with long battery life and optional HP Fast Charge, which recharges the battery to 50% in 30 minutes.[11]

- Using recycled materials in the keyboard, speakers, bezel, and inner frame—this ENERGY STAR® certified thin client earns an EPEAT® Gold rating in the U.S.[15]

- Built-in 4G LTE lets you connect to the cloud wherever you are, while reducing the threat of someone accessing your information through public Wi-Fi®.[14]

- Work on-the-go can be challenging. This thin client features a durable design that undergoes MIL-STD 810H testing and has an optional backlit keyboard.[2,12]

- Responsibly manufactured with durable, premium recycled aluminum and magnesium alloy, post-consumer recycled plastics, and ocean-bound plastics.

- Tap into impressive processor performance with AMD Ryzen™. Tackle tasks using multiple cloud applications at once, enhancing productivity and collaboration.[4,7]

- Efficiently keep up with your workload and enjoy smooth graphics performance with integrated AMD graphics.

- Experience breakthrough video playback, smooth graphics, and impressive high-speed performance of your cloud-based multimedia with HP True Graphics.[16]

- Log onto your device and web sites with your fingerprint.[12,13]

- Work in both bright and dark environments with an anti-glare, narrow-bezel, auto-brightness adjusting Full HD screen and wide dynamic range camera.[5,6]

- Pick up on the nuances of voice and sound with custom-tuned audio by HP, featuring background noise reduction and automatic sound optimization.

HP mt32 Mobile Thin Client Specifications Table

*Product image may differ from actual product

Available Operating Systems	Windows 10 IoT Enterprise for Thin Clients 64[1] HP ThinPro[2] HP Smart Zero Core HP FreeDOS 3.0
Processor family[33]	AMD Ryzen™ 4000 Series Mobile processor
Available Processors[3,4,5]	AMD Ryzen™ 3 4300U with Radeon™ Graphics (2.7 GHz base clock, up to 3.7 GHz max boost clock, 4 MB L3 cache, 4 cores)
Maximum memory	8 GB DDR4-3200 SDRAM (1 x 8 GB); 8 GB DDR4-3200 SDRAM (2 x 4 GB); 4 GB DDR4-3200 SDRAM (1 x 4 GB) [11,17] Transfer rates up to 3200 MT/s.
Memory slots	2 SODIMM
Internal storage	up to 128 GB SATA3 TLC M.2[10]
Display size (diagonal, metric)	33.8 cm (13.3")
Display	13.3" diagonal, FHD (1920 x 1080), UWVA, anti-glare, 250 nits, 45% NTSC; 13.3" diagonal, FHD (1920 x 1080), UWVA, anti-glare, 400 nits, low power, 100% sRGB; 13.3" diagonal, FHD (1920 x 1080), UWVA, anti-glare, 1000 nits, 72% NTSC, HP Sure View Reflect integrated privacy screen[6,7,8,9] 33.8 cm (13.3") diagonal, FHD (1920 x 1080), UWVA, anti-glare, 250 nits, 45% NTSC; 33.8 cm (13.3") diagonal, FHD (1920 x 1080), UWVA, anti-glare, 400 nits, low power, 100% sRGB; 33.8 cm (13.3") diagonal, FHD (1920 x 1080), UWVA, anti-glare, 1000 nits, 72% NTSC, HP Sure View Reflect integrated privacy screen [6,7,8,9]
Available Graphics	Integrated: AMD Radeon™ Graphics[6]
Audio	Audio by Bang & Olufsen, 2 Integrated Stereo Speakers, integrated dual array microphone
Ports and Connectors	Right side: 1 AC power; 1 HDMI 2.0; 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) ; Left side: 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-A 5Gbps signaling rate ; Optional Ports: 1 Smartcard reader
Input devices	HP Advanced Keyboard – spill-resistant, optional backlit keyboard with drain and optional DuraKeys; HP Premium Keyboard – spill-resistant, optional backlit keyboard with DuraKeys; Clickpad with multi-touch gesture support, taps enabled as default; Microsoft Precision Touchpad with default gesture support[16]; Hall Sensor
Communications	WLAN: Intel® AX200 Wi-Fi 6 (2x2) and Bluetooth® 5 combo, non-vPro® (Supporting Gigabit file transfer speeds); Realtek RTL8822CE 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 combo [12]; WWAN: Intel® XMM™ 7360 LTE-Advanced [13,14];
Camera	720p HD IR camera; 720p HD camera [6,7,15,21]
Software	HP Device Manager; HP ThinUpdate; HP Write Manager; Power On Authentication; Absolute Persistence Module; Preboot Authentication; HP Native Miracast Support; HP Noise Cancellation Software; HP BIOS Config Utility; BIOS Update via Network; HP Connection Optimizer; HP Hotkey Support; HP BIOSphere Gen6; HP Secure Erase; HP EasyUpdate; HP Smart Zero; Internet Browser; VMware Horizon; Citrix Workplace & Apps; HP Secure Boot; [28,29,30,31]
Security management	Trusted Platform Module 2.0; Windows Defender; USB enable/disable (via BIOS); Power-on password (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; HP Sure Start Gen6; Pre-boot authentication;[22,23,24,25,26]
Fingerprint reader	Fingerprint reader (select models)
Power	HP Smart 45 W External AC power adapter; HP Smart 45 W USB Type-C® adapter; HP Smart 65 W EM External AC power adapter; HP Smart 65 W External AC power adapter; HP Smart 65 W USB Type-C® adapter[32]
Battery type	HP Long Life 3-cell, 53 Wh Li-ion[34,35]
Battery life	Up to 13 hours
Dimensions	12.11 x 8.05 x 0.71 in; 30.76 x 20.45 x 1.79 cm
Weight	Starting at 2.2 lb; Starting at 0.99 kg; (Weight will vary by configuration.)
Ecolabels	ENERGY STAR® certified and EPEAT® Gold registered configurations available[36]
Sustainable impact specifications	Low halogen; TCO 5.0 Certified[37]
Warranty	HP Services offers 3-year and 1-year limited warranties and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty except for Long Life batteries which will have same 1-year or 3-year limited warranty as the platform. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/cpc .

HP mt32 Mobile Thin Client

Messaging Footnotes

[1] Weight may vary by configuration. WWAN, 250 nit and 1000 nit panels, 53 WHr battery, backlit keyboard, and 2 SODIMM memory options not available on configurations starting at 1kg.

[2] MIL-STD testing is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack. Optional feature that must be configured at time of purchase.

[3] WWAN is an optional feature, requires factory configuration and separately purchased service contract. Check with service provider for coverage and availability in your area. 4G LTE not available on all products, in all regions. WWAN is not configurable with HP ThinPro and HP Smart Zero.

[4] Multi-Core 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] Full high-definition (FHD) content required to view FHD images.

[6] Available only on panels with HP Sure View.

[7] Internet access required and sold separately.

[8] HP Sure Start Gen6 is available on select HP PCs. See product specifications for availability.

[11] Optional feature that must be configured at time of purchase. Recharges the battery up to 50% within 30 minutes when the system is off or in standby mode, when used with the power adapter provided with the mobile thin client, and no external devices are connected. After charging has reached 50% capacity, charging speed will return to normal. Charging time may vary +/-10% due to System tolerance.

[12] Optional feature that must be configured at time of purchase.

[13] Not available with ThinPro or Smart Zero.

[14] Optional feature that must be configured at purchase. 4G LTE module requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions.

[15] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country and excludes Japan. Visit http://www.epeat.net for more information.

[16] HP True Graphics requires an HP Thin Client with an HP ThinPro 5.0 or higher operating system (combo OS with HP Smart Zero Core begins at v5.0), AMD processing technology, and a Citrix® virtual desktop infrastructure—XenApp® or XenDesktop® v7.0 or higher or WES 7E 32-bit/Windows 10 IoT with a Citrix® 4.4 receiver and Citrix® virtual desktop infrastructure—XenApp® or XenDesktop® v7.0 or higher. HP True Graphics is preinstalled on the OS starting with HP ThinPro 5.2. See product QuickSpecs for exact compatibility. Not configurable with FreeDOS OS.

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 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com .

[2] Not all features or options are available with HP ThinPro OS.

[3] 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] Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

[5] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

[6] HD content required to view HD images.

[7] Sold separately or as an optional feature.

[8] Resolutions are dependent upon monitor capability, and resolution and color depth settings.

[9] HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.

[10] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) is reserved for system recovery software.

[11] Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

[12] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax devices.

[13] WWAN module is an optional feature, requires factory configuration and requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions.

[14] Not supported in HP ThinPro and Smart Zero.

[15] Internet access required.

[16] Multi-touch and Microsoft Precision Touchpad not supported on HP ThinPro and Smart Zero.

[17] 4 GB DDR4-3200 SDRAM (1 x 4 GB) is not intended for use with Windows 10 IoT OS.

[21] IR not available on ThinPro.

[22] Fingerprint Reader, not supported on HP ThinPro and HP Smart Zero.

[23] Firmware TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).re TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).

[25] HP Sure Start Gen 6 is available on select HP PCs and workstations. See product specifications for availability.

[26] Windows Defender Opt in and internet connection required for updates. Windows Defender is not available on HP ThinPro and HP Smart Zero.

[27] HP Fingerprint sensor is an optional feature that must be configured at purchase.

[28] HP BIOSphere Gen6 is available on select HP Pro and Elite PCs. Features may vary depending on the platform and configurations.

[29] HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.

[30] Absolute Persistence Module: Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: http://www.absolute.com/company/legal/agreements/ computrace-agreement. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.

[31] HP Device Manager not supported on HP ThinPro and HP Smart Zero. HP ThinUpdate not supported on HP ThinPro and HP Smart Zero. HP Write Manager not supported on HP ThinPro and HP Smart Zero. HP Native Miracast not supported on HP ThinPro and HP Smart Zero; HP Noise Cancellation not supported on HP ThinPro and HP Smart Zero; Fingerprint Reader, not supported on HP ThinPro and HP Smart Zero. TPM 2.0 runs with no functionality. Customers can enable TPM 2.0 if they have a custom application that can locate the TPM chip. HP Hot Key Support not supported on HP ThinPro and HP Smart Zero.

[32] Availability may vary by country.

[33] In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on http://www.support.hp.com .

[34] Battery is internal and not replaceable by customer. Serviceable by warranty.

[35] Supports HP Fast Charge with 65W AC Adapter. Recharges the battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.

[36] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

[37] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

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