Datasheet

HP mt22 Mobile Thin Client

Secure, stylish, and affordable cloud[1] productivity

Get everything you need to work in the cloud[1] with the HP mt22 Mobile Thin Client. It has essential performance features for daily multi-tasking, trusted security, and a sleek, durable aesthetic.

Protect your data, device, and identity

- Rest easy with a thin client that has multi-layered security to help keep your cloud computing experience safe with a self-healing BIOS, optional HP Privacy Camera[2] and available ThinPro OS.

Business-class productivity for your virtual or cloud computing workload.[1]

- Power through your to-do list with an Intel® Celeron® processor[3] and the enhanced connectivity of optional HP Extended Range Wireless LAN.[2,4] Quickly transition to your desk, displays, and accessories by connecting to an HP USB-C™ dock.[5]

Built to be seen, built to last

- Get a device that looks sharp in any office setting with a 180° lie-flat, hinge and solid stamped-aluminum chassis that withstands daily wear and tear and undergoes MIL-STD testing[6] for durability and dependability.

Fast device deployment, simplified management

- Make it easy for your IT admins to remotely deploy, update, and manage thousands of HP Mobile Thin Clients from anywhere[1] through a single console with HP Device Manager software, included with HP Thin Clients at no extra cost.
- Choose the Linux®-based HP ThinPro for an OS that limits virus threats. It also has a locked file system that deters unauthorized updates, a built-in firewall, and customizable user permissions.
- Firmware attacks can completely devastate your device. Stay protected with HP's self-healing BIOS. HP Sure Start Gen5 automatically recovers the BIOS from malware, rootkits or corruption.
- 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 prevents unauthorized changes to end user environments.
- Carry this lightweight mobile thin client between meetings without worry. Designed-in reinforcements include a borderless display housed in an aluminum cover, a CNC keyboard deck, and a metal-reinforced, drop-jaw RJ-45 port.
- Never lose sight of your work with an optional anti-glare touchscreen.
- Long battery life gets you through the day without stopping to plug in, and when you do, HP Fast Charge gets you up to 50% battery life in just 30 minutes of charging.
- Enjoy premium virtualization from a mobile thin client that works with industry ISV partners including Citrix®, VMware®, and Microsoft with features like an integrated browser, single sign-on support, and multimedia redirection.

HP mt22 Mobile Thin Client Specifications Table

Available Operating Systems	Windows 10 IoT Enterprise for Thin Clients[1] HP ThinPro[2] HP Smart Zero Core[2]
Processor family	10th Generation Intel® Celeron®
Browser	Internet Explorer 11 (for Windows 10 IoT for Thin Clients); Mozilla Firefox 19 (for models with HP Thin Pro and HP Smart Zero Core)
Available Processors[3,4,5,6,7]	Intel® Celeron™ 5205U processor with Intel® UHD Graphics 620 (1.9 GHz base frequency, 2 MB L3 cache, 2 cores)
Maximum memory	8 GB DDR4-2666 SDRAM [8,9,10] Transfer rates up to 2400 MT/s.
Memory slots	2 SODIMM
Internal storage	up to 128 GB M.2 SATA SSD[9,26]
Display size (diagonal, metric)	35.56 cm (14")
Display	35.56 cm (14") diagonal FHD IPS eDP anti-glare slim, 250 nits, 45% NTSC (1920 x 1080); 35.56 cm (14") diagonal HD SVA eDP anti-glare slim, 220 nits, 45% NTSC (1366 x 768); 35.56 cm (14") diagonal FHD IPS eDP On-Cell slim touch screen, 250 nits, 45% NTSC (1920 x 1080) [11,15,28]
Available Graphics	Integrated: Intel® UHD Graphics 620[8]
Protocols	Citrix® ICA/HDX; Microsoft RFX/RDP; VMware Horizon® View™ through RDP/PCoIP, and Blast Extreme (Protocols are dependent on operating system installed.)
Audio	Stereo speakers, mono or dual array microphone.
Expansion slots	1 multi-format digital media reader (Supports SD, SDHC, SDXC.)
Ports and Connectors	Left side: 1 USB 2.0 (charging)[12] Right side: 1 headphone/microphone combo; 1 RJ-45; 1 USB 2.0 (charging); 1 USB 3.1 Type-C™ (charging); 1 HDMI 1.4; 2 USB 3.1 Gen1[12]
Input devices	HP Premium Keyboard, minor spill-resistant with optional backlight; Clickpad with on/off button, two-way scroll, gesture support[2];
Communications	LAN: Realtek 10/100/1000 GbE NIC [14]; WLAN: Intel® Dual Band Wireless-AC 9560 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo, non-vPro™ [13,25];
Camera	720p HD webcam [15]
Environmental	Operating temperature: 0° to 35°; Operating humidity: 10% to 90%, non-condensing;
Software	HP Device Manager; HP Easy Shell; HP ThinUpdate; HP True Graphics; HP USB Port Manager; HP Noise Cancellation Software; HP BIOS Config Utility; HP Easy Tools; HP Smart Zero Client Services[27]
Security management	Fingerprint reader; Preboot authentication; HP Power On Authentication; HP SureStart Gen5; Secure Erase; TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified); Absolute persistence module; Windows Defender; HP BIOSphere Gen5; HP Write Manager[2,15,18,19,20,21,22,26,27,29]
Power	HP Smart 45 W External AC power adapter; HP Smart 65 W EM External AC power adapter; HP Smart 65 W External AC power adapter; HP 45 W USB Type-C™ adapter; HP 65 W USB Type-C™ adapter; HP Smart 65 W USB Type-C™ adapter[16]
Battery type	HP Long Life 3-cell, 45 Wh Li-ion[17]
Battery life	Up to 14 hours and 45 minutes[30]
Dimensions	32.42 x 23.77 x 1.8 cm (Height varies depending on where measurement made.)
Weight	Starting at 1.6 kg (Weight will vary by configuration.)
Energy efficiency compliance	ENERGY STAR® certified; EPEAT® 2019 registered[23]
Sustainable impact specifications	Low halogen; TCO 5.0 Certified[24]
Warranty	3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

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Accessories and services (not included)

HP Thunderbolt Dock 120W G2

Reinvent docking and boost productivity with our most versatile Thunderbolt™ dock, the small, sophisticated HP Thunderbolt Dock G2. Designed for workspace flexibility and network manageability[1], it delivers USB-C™[2] device connectivity and optional integrated audio.[3] The thin client that offers a more secure and reliable environment, with extensive management capabilities in a mobile device.
Product number: 2UK37AA

HP 65W Smart AC Adapter

Feed your notebook with controlled servings of electricity. HP's new 65W Smart AC Adapter regulates power and offsets electrical spikes, is designed to reduce cable stress, and includes a special dongle to support current and prior HP models – perfect for replacing your notebook's power adapter or as a needed back-up. Smart AC power adapters from HP power your notebook and charge the internal battery simultaneously. These adapters provide you with the ability to power your notebook when away from the office or on the road.
Product number: H6Y89AA

HP Stereo USB Headset

Quickly and easily collaborate, chat online or listen to personal media with the crystal-clear sound and noise cancelling features of the sleek, lightweight HP Stereo USB Headset, designed to complement your professional workspace.[1],[2] Quickly and easily collaborate, chat online or listen to personal media with the crystal-clear sound and noise cancelling features of the sleek, lightweight HP Stereo USB Headset, designed to complement your professional workspace.[1],[2]
Product number: T1A67AA

HP 3 year Next Business Day Onsite Hardware Support for Notebooks

Receive 3 years of next business day onsite HW Support from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.
Product number: UK737E

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Messaging Footnotes

[1] Internet access required and sold separately.
[2] Optional feature that must be configured at time of purchase.
[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. Intel's numbering, branding and/or naming is not a measurement of higher performance.
[4] Based on internal testing vs. previous generation product with 802.11ac wireless LAN module.
[5] Dock sold separately. Limited dock compatibility of HP ThinPro. See product QuickSpecs for compatible docks.
[6] 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. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
[7] HP Sure Start Gen5 is available on select HP PCs with Intel® processors. See product specifications for availability.
[8] 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 notebook, and no external devices are connected. After charging has reached 90% capacity, charging speed will return to normal. Charging time may vary +/-10% due to system tolerance.
[9] HP Write Manager requires Windows 10 IoT.

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. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com/.
[2] Bluetooth®, Fingerprint reader, Windows Defender, HP Easy Shell and HP Write Manager are optional features, require Windows 10 IoT and must be configured at purchase.
[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. Intel's numbering, branding and/or naming is not a measurement of higher performance.
[4] Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
[5] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.
[6] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.
[7] 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
[8] 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.
[9] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less.
[10] Only available on HP ThinPro.
[11] HD content required to view HD images.
[12] HDMI cable sold separately.
[13] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.
[14] The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.
[15] Sold seperately or as an optional feature.
[16] Availability may vary by country.
[17] Battery is internal and not replaceable by customer. Serviceable by warranty. See http://www.hp.com/support/batterywarranty/ for additional battery information.
[18] HP BIOSphere Gen5 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.
[19] 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™.
[20] 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.
[21] Windows Defender Opt in and internet connection required for updates.
[22] HP Sure Start Gen5 is available on select HP PCs with Intel processors. See product specifications for availability.
[23] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[24] External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.
[25] Intel® Dual Band Wireless-AC 9560 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® is an optional feature that requires Windows 10 IoT and must be configured at purchase.
[26] Fingerprint Reader is an optional feature that requires Windows 10 IoT and must be configured at purchase.
[27] Windows Defender, HP Easy Shell and HP Write Manager require Windows 10 IoT.
[28] Touchscreen panels are an optional feature that must be configured at purchase. Touchscreen gesture support is limited on HP ThinPro/HP Smart Zero, and functionality is dependent upon application being used.
[29] o 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.
[30] Windows 10 MM14 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.

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January 2021