ProductSheet
HP mt22 Mobile Thin Client (190V9UA)

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.

Featuring

Naturally secure OS
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.

Automatic recovery from firmware attacks
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. [7]

Make IT management and security a breeze
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. [9]

Durable for the day ahead
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.

Work even in bright light
Never lose sight of your work with an optional anti-glare touchscreen. [2]

Specifications

Operating system	HP ThinPro
Processor family	Intel® Celeron® processor
Processor	Intel® Celeron® 5205U (1.9 GHz base frequency, 2 MB L2 cache, 2 cores)
Memory	4 GB DDR4-2400 MHz RAM (1 x 4 GB)
Memory Slots	2 SODIMM
Internal Storage	128 GB M.2 SATA SSD
Optical drive	Not included
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics
Display	35.6 cm (14") diagonal, FHD (1920 x 1080), IPS, anti-glare, 250 nits, 45% NTSC
Display	14" diagonal, FHD (1920 x 1080), IPS, anti-glare, 250 nits, 45% NTSC[11,15,28]
Display size (diagonal)	35.6 cm (14")
Display size (diagonal)	14"
Audio	Stereo speakers, mono or dual array microphone.
Minimum dimensions (W x D x H)	32.42 x 23.77 x 1.8 cm *(Height varies depending on where measurement made.)*
Minimum dimensions (W x D x H)	12.76 x 9.35 x 0.7 in *(Height varies depending on where measurement made.)*
Weight	Starting at 1.6 kg *(Weight will vary by configuration.)*
Weight	Starting at 3.52 lb *(Weight will vary by configuration.)*
Keyboard	HP Premium Keyboard – minor spill-resistant keyboard
Pointing device	Clickpad with multi-touch gesture support
Camera	720p HD camera
Ports	1 USB 2.0 (charging)[12]
Expansion slots	1 multi-format digital media reader *(Supports SD, SDHC, SDXC.)*
Ports	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
Wireless	Intel® Dual Band Wireless-AC 9560 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 combo, non-vPro®
Protocols	Citrix® ICA/HDX; Microsoft RFX/RDP; VMware Horizon® View™ through RDP/PCoIP, and Blast Extreme
Power	HP Smart 65 W EM External AC power adapter[16]
Battery type	HP Long Life 3-cell, 45 Wh Li-ion
Ecolabels	EPEAT® registered
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Low halogen; TCO 5.0 Certified
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]
Software included	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]
Browser supported	Internet Explorer 11 (for Windows 10 IoT for Thin Clients); Mozilla Firefox 19 (for models with HP Thin Pro and HP Smart Zero Core)
UPC number	(ABA) 195122167080; (ABL) 195122820572

Top Recommended Displays, Accessories and Services

EliteDisplays

HP EliteDisplay E243 23.8-inch Monitor	1FH47AA
HP EliteDisplay E243d 23.8-inch Docking Monitor	1TJ76A8
HP EliteDisplay E243d 23.8-inch Docking Monitor	1TJ76AA

Docking Stations

HP Thunderbolt Dock 120W G2	2UK37AA
HP Thunderbolt Dock 120W with HDMI Adapter	6HP48AA
HP USB-C/A Universal Dock G2	5TW13AA
HP USB-C Dock G5	26D32AA
HP USB-C Dock G5	5TW10AA

Keyboard and Mouse Kits

HP Slim Wireless Keyboard and Mouse	T6L04AA

Mice

HP Comfort Grip Wireless Mouse	H2L63AA

Keyboards

HP Wireless (Link-5) Keyboard	T6U20AA

AC Adapters

HP 65W Smart AC Adapter	H6Y89AA
HP USB-C Travel Power Adapter 65W	X7W50AA
HP 45W Smart AC Adapter	H6Y88AA

Power Adapters

HP 65W USB-C Power Adapter	1HE08AA

PC Locks

HP Sure Key Cable Lock	6UW42AA
HP Master Keyed Cable Lock 10mm	T1A63AA
HP Keyed Cable Lock 10 mm	T1A62AA

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.

[9] HP Write Manager requires Windows 10 IoT.

Technical Specifications Footnotes

[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.

[11] HD content required to view HD images.

[12] HDMI cable sold separately.

[15] Sold seperately or as an optional feature.

[16] Availability may vary by country.

[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.

[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.