HP mt46 Mobile Thin Client (21L92UT)



Overview

The beautifully designed, cloud-ready[2] mobile thin client.

Power your enterprise with the durable, powerful, and stunning HP mt46 Mobile Thin Client. This thin client delivers premium experiences with comfortable design, reliable enterprise security and serviceability, and productive connectivity.

Work comfortably all around the office.

Enjoy this light ergonomic device, you can open with one-hand, and a quiet click pad and keyboard with rubber dome keys—perfect for working around the office.

Effortless collaboration and conferencing.

Expand your reach with long battery life, and simple and fast connectivity. Collaborate easily face-to-face or virtually[2], with crisp Audio by Bang & Olufsen, 88-degree field of view webcams, and a 1700 hinge opening.

Work goes with you, data doesn't.

Get data and device security for your cloud[2] computing experience with HP Sure Start Gen6 self-healing BIOS.

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[2] Internet access required and sold separately.

Specifications

Operating system	Windows 10 IoT Enterprise for Thin Clients 64
Processor family	AMD Ryzen™ 3 PRO processor
Processor	AMD Ryzen™ 3 PRO 4450U (2.5 GHz base clock, up to 3.7 GHz max boost clock, 4 MB L3 cache, 4 cores)
Chipset	SoC
Memory	8 GB DDR4-3200 SDRAM (2 x 4 GB)
Memory Slots	2 SODIMM
Internal Storage	128 GB SATA SSD
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ 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[2,6,7,8,9,10]
Display size (diagonal)	35.6 cm (14")
Display size (diagonal)	14"
Audio features	Audio by Bang & Olufsen, 2 Integrated Stereo Speakers, Integrated multi array microphones
Minimum dimensions (W x D x H)	32.33 x 21.45 x 1.79 cm (non-touch); 32.33 x 21.45 x 1.75 cm (touch)
Minimum dimensions (W x D x H)	12.73 x 8.45 x 0.71 in (non-touch); 12.73 x 8.45 x 0.75 in (touch)
Weight	Starting at 1.34 kg (non-touch); Starting at 1.47 kg (touch) *(Weight will vary by configuration.)*
Weight	Starting at 2.97 lb (non-touch); Starting at 3.26 lb (touch) *(Weight will vary by configuration.)*
Keyboard	HP Premium Keyboard – spill-resistant, backlit keyboard with drain
Pointing device	Clickpad with multi-touch gesture support
Input devices	Hall Sensor
Camera	720p HD camera
Ports	1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging)
Expansion slots	1 SC
Ports	1 AC power; 1 HDMI 2.0; 1 SIM card slot; 2 SuperSpeed USB Type-C® 10Gbps signaling rate (Alt Mode)
Wireless	Intel® Wi-Fi 6 AX200 (2x2) 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 External AC power adapter[26]

Battery type	HP Long Life 3-cell, 53 Wh Li-ion
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes with 65W AC Adapter
Energy efficiency	ENERGY STAR® certified
Sustainable impact specifications	Low halogen; TCO 8.0 Certified
Security management	NFC Antenna; TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified); 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[22,23,25,35]
Software included	HP Device Manager; HP ThinUpdate; Power On Authentication; Secure Erase; 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[18,19,20,35]
Browser supported	Internet Explorer 11
UPC number	195122723644

Additional specifications

Battery brand	HP
Battery capacity	53
Battery capacity uom	Wh
Battery cells number	3
Battery life	Long Life
Battery type	Li-ion
Bluetooth version	Bluetooth® 5.0
Color gamut	45% NTSC
Display	35.6 cm (14") diagonal FHD display
Display	14" diagonal FHD display
Display brightness	250
Display brightness uom	nits
Display panel technology	IPS
Display resolution (pixels)	1920 x 1080
Display resolution standard	FHD
Display size (diagonal) uom	"
Display size (diagonal, imperial)	14
Display size (diagonal, metric)	35.6
Display size (diagonal, metric) uom	cm
Display surface treatment	anti-glare
ECC memory	No
External I/O ports footnote number	[30]
I/O Port location	Left side
I/O Port location	Right side
Memory layout (slots & size)	2 x 4 GB
Memory module type	DIMM
Memory size	8
Memory size uom	GB
Memory speed	3200
Memory speed uom	MHz
Memory type	DDR4
Number of memory slots	2

Processor Brand	AMD
Processor base frequency	2.5
Processor base frequency uom	GHz
Processor core	4
Processor family	Ryzen™ 3
Processor maximum frequency	3.7
Processor maximum frequency uom	GHz
Processor model	4450U
Processor speed	2.5 GHz
Processor threads	8
Standard memory note	Transfer rates up to 3200 MT/s.
Storage capacity 01	128
Storage capacity uom 01	GB
Storage form factor 01	M.2
Storage interface 01	SATA 3
Storage memory technology 01	TLC
Storage type	SSD
Storage type 01	SSD
Wireless Model	Wi-Fi 6 AX200
Wireless antenna	2x2
Wireless standard	Wi-Fi 6
Wireless supplier	Intel®
vPro enabled	non-vPro™

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[2] Display Touch functionality is limited to single and double tap. Touchpad functionality is limited to single and double click, two finger tap, and two finger slide. Camera IR feature does not work on HP ThinPro/HP Smart Zero.

[6] 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.

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

[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] Touch capabilities are limited on HP ThinPro OS.

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

[19] 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™.

[20] 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.

[22] Windows Defender Opt in and internet connection required for updates.

[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] Availability may vary by country.

[35] 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.

Monitors

Business Monitors

★ : Recommended

EliteDisplays

HP EliteDisplay E243 23.8-inch Monitor	**1FH47A8 ★**
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 ★**
HP EliteDisplay E243p 23.8-inch Sure View Monitor	**5FT13A8 ★**
HP EliteDisplay E243p 23.8-inch Sure View Monitor	**5FT13AA ★**
HP E344c 34-inch Curved Monitor	6GJ95AA
HP EliteDisplay E202 20-inch Monitor	M1F41AA
HP EliteDisplay E223 21.5-inch Monitor	1FH45AA
HP EliteDisplay E223 21.5-inch Monitor	7MP21AA
HP EliteDisplay E223d 21.5-inch Docking Monitor	5VT82AA
HP EliteDisplay E230t 23-inch Touch Monitor	W2Z50AA
HP EliteDisplay E233 23-inch Monitor	1FH46AA
HP EliteDisplay E233 23-inch Monitor	7MQ32AA
HP EliteDisplay E233 23-inch Monitor Head Only	2PD30AA
HP EliteDisplay E243 23.8-inch Monitor	7MQ82AA
HP EliteDisplay E243 23.8-inch Monitor Head Only	3XQ67AA
HP EliteDisplay E243d 23.8-inch Docking Monitor	7MP20AA
HP EliteDisplay E243i 24-inch Monitor	1FH49AA
HP EliteDisplay E243i 24-inch Monitor	7MQ83AA
HP EliteDisplay E243i 24-inch Monitor Head Only	1FH49U9
HP EliteDisplay E243m 23.8-inch Monitor	1FH48AA
HP EliteDisplay E273 27-inch Monitor	1FH50AA
HP EliteDisplay E273 27-inch Monitor	7MQ84AA
HP EliteDisplay E273d 27-inch Docking Monitor	5WN63AA
HP EliteDisplay E273m 27-inch Monitor	1FH51AA
HP EliteDisplay E273q 27-inch Monitor	1FH52AA
HP EliteDisplay E273q 27-inch Monitor	7MQ85AA
HP EliteDisplay E324q 31.5-inch QHD Monitor	5DP31AA
HP EliteDisplay S14 14-inch Portable Display	3HX46AA

HP EliteDisplay S340c 34-inch Curved Monitor	V4G46AA

Z Displays

HP DreamColor Z24x G2 Display	1JR59A4
HP DreamColor Z27x G2 Studio Display	2NJ08A4
HP DreamColor Z31x Studio Display	Z4Y82A4
HP Z22n G2 21.5-inch Display	1JS05A4
HP Z23n G2 23-inch Display	1JS06A4
HP Z24f G3 FHD Display	3G828AA
HP Z24n G2 24-inch Display	1JS09A4
HP Z24n G3 WUXGA Display	1C4Z5AA
HP Z24nf G2 23.8-inch Display	1JS07A4
HP Z25xs G3 QHD USB-C DreamColor Display	1A9C9AA
HP Z27 27-inch 4K UHD Display	2TB68A4
HP Z27k G3 4K USB-C Display	1B9T0AA
HP Z27n G2 27-inch Display	1JS10A4
HP Z27q G3 QHD Display	1C4Z7AA
HP Z27u G3 QHD Display	1B9X2AA
HP Z27xs G3 4K USB-C DreamColor Display	1A9M8AA
HP Z32 31.5-inch 4K UHD Display	1AA81A4
HP Z38c 37.5-inch Curved Display	Z4W65A4
HP Z43 42.5-inch 4K UHD Display	1AA85A4

E-Series

HP E14 G4 Portable Monitor	1B065AA
HP E22 G4 FHD Monitor	9VH72AA
HP E23 G4 FHD Monitor	9VF96AA
HP E24 G4 FHD Monitor	3R473AA
HP E24 G4 FHD Monitor	9VF99AA
HP E24d G4 FHD Advanced Docking Monitor	6PA50AA
HP E24i G4 WUXGA Monitor	9VJ40AA
HP E24q G4 QHD Monitor	9VG12AA
HP E24t G4 FHD Touch Monitor	9VH85AA
HP E24u G4 FHD USB-C Monitor	189T0AA
HP E27 G4 FHD Monitor	9VG71AA
HP E27d G4 QHD Advanced Docking Monitor	6PA56AA

HP E27q G4 QHD Monitor	9VG82AA
HP E27u G4 QHD USB-C Monitor	189T3AA

Healthcare Edition Displays

HP Healthcare Edition HC241 Clinical Review Monitor	3ME68AA
HP Healthcare Edition HC241p Clinical Review Monitor	3ME69AA
HP Healthcare Edition HC270cr Clinical Review Monitor	1QW03AA

Large Format Display

HP LD5512 4K UHD Conferencing Display	2YD85AA

ProDisplays

HP Mini-in-One 24 Display	7AX23AA

Value Displays

HP N223 21.5-inch Monitor	3ML60AA
HP N246v 23.8-inch Monitor	1RM28AA
HP N246v 23.8-inch Monitor	3NS59AA
HP N270h 27-inch Monitor	2MW70AA
HP P224 21.5-inch Monitor	5QG34AA
HP P241v 23.8-inch Monitor	6CQ79AA
HP P244 23.8-inch Monitor	5QG35AA
HP V214a 20.7-inch Monitor	1FR84AA
HP V22b Monitor	2XM33AA
HP V24b Monitor	2XM34AA
HP V270 27-inch Monitor	2KZ35AA
HP V270 27-inch Monitor	3PL17AA

P-Series

HP P19v G4 Monitor	9TY84AA
HP P21v G4 Monitor	9TY72AA
HP P22 G4 22 FHD Monitor	1A7E4AA
HP P22h G4 FHD Monitor	7UZ36AA
HP P22h G4 FHD Monitor	7UZ36AT
HP P22v G4 Monitor	9TT53AA
HP P24 G4 24 FHD Monitor	1A7E5AA
HP P24h G4 FHD Monitor	7VH44AA

HP P24q G4 QHD Height Adjust Monitor	8MB10AA
HP P24v G4 Monitor	9TT78AA
HP P27h G4 FHD Monitor	7VH95AA
HP P27q G4 QHD Height Adjust Monitor	8MB11AA
HP P27v G4 Monitor	9TT20AA

Business LCD Monitors

HP P204 19.5-inch Monitor	5RD65AA
HP P204v 19.5-inch Monitor	5RD66AA

S-Series

HP S430c 43.4-inch Curved Ultrawide Monitor	5FW74AA

Accessories

Keyboards/Mice and Input Devices

★ : Recommended

Keyboard and Mouse Kits

HP Slim Wireless Keyboard and Mouse	**T6L04AA ★**
HP Slim USB Keyboard and Mouse	T6T83AA
HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA
HP Wireless Rechargeable 950MK Mouse and Keyboard	3M165AA

Mice

HP Comfort Grip Wireless Mouse	**H2L63AA ★**
HP USB Premium Mouse	**1JR32AA ★**
HP 3-button USB Laser Mouse	H4B81AA
HP Bluetooth Travel Mouse	6SP30AA
HP Elite Presenter Mouse	2CE30AA
HP USB Fingerprint Mouse	4TS44AA
HP Ultra Mobile Wireless Mouse	H6F25AA
HP Wired Desktop 320M Mouse	9VA80AA
HP Wireless Premium Mouse	1JR31AA
HP X4000b Bluetooth Mouse	H3T50AA
USB Travel Mouse	G1K28AA

Keyboards

HP Wireless (Link-5) Keyboard	**T6U20AA ★**
HP USB Collaboration Keyboard	Z9N38AA
HP Wired Desktop 320K Keyboard	9SR37AA
HP Wireless Collaboration Keyboard	Z9N39AA

Docking and Port Replicators

Docking Stations

HP Thunderbolt Dock 120W G2	**2UK37AA ★**
HP USB-C/A Universal Dock G2	**5TW13AA ★**
HP USB-C Dock G5	**5TW10AA ★**
HP Elite USB-C Hub	4WX89AA

HP Thunderbolt Dock 120W G2 with Audio	3YE87AA
HP USB-C Mini Dock	1PM64AA
HP USB-C Travel Hub G2	7PJ38AA

Docking Accessories

HP Thunderbolt Dock Audio Module	3AQ21AA

Point of Sales System Options

POS Display Accessories

HP Engage One 10.1-inch Display	1XD80AA
HP Engage One 10.1-inch Touch Display	1XD81AA
HP Engage One W 10.1-inch Display	3FH66AA
HP Engage One W 10.1-inch Touch Display	3FH67AA
HP L5010ta	2KY27AA

Cabinets and Stands

Notebook Stands

HP Hot Desk 2nd Monitor Arm	W3Z74AA
HP Hot Desk Stand	W3Z73AA

Monitor Stands

Monitor Stand	M9X76AA

Cables/Cable Kits/Cable Adapters

Cable Adapters

HP Thunderbolt 120W G2 Cable	3XB94AA

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