



HP mt46 Mobile Thin Client (4Z6V8UA)

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.

[2] Internet access required and sold separately.

Specifications

Operating system	Windows 10 IoT Enterprise for Thin Clients
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 MHz RAM (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), touch, IPS, 250 nits, 45% NTSC
Display	14" diagonal, FHD (1920 x 1080), touch, IPS, 250 nits, 45% NTSC ^[2,6,7,8,9,10]
Display size (diagonal)	35.6 cm (14")
Display size (diagonal)	14"
Audio	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 IR 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	Realtek 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 combo
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
Ecolabels	EPEAT® registered
Energy star certified	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	196188562772

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
Camera Infrared	IR
Camera resolution (vertical)	720p
Camera resolution standard	HD
Color gamut	45% NTSC
Display	14" diagonal FHD touch display
Display	35.6 cm (14") diagonal FHD touch 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
Display touchscreen type	touch screen
ECC memory	non-ECC
External I/O ports footnote number	[30]
Fingerprint reader	Fingerprint sensor
I/O Port location	Right side
I/O Port location	Left side
Keyboard backlight	backlit
Keyboard features	Spill-resistant
Keyboard name	HP Premium Keyboard

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
Mobile broadband	Intel® XMM™ 7360 LTE Advanced Mobile Broadband Module
Number of memory slots	2
Processor Brand	AMD
Processor base frequency	2.5
Processor cache	4 MB L3
Processor core	4
Processor family	Ryzen™ 3
Processor frequency UOM	GHz
Processor maximum frequency	3.7
Processor maximum frequency uom	GHz
Processor model	4450U
Processor threads	8
Product long name specifications	HP mt46 Mobile Thin Client, Windows 10 IoT Enterprise for Thin Clients, AMD Ryzen™ 3, 8GB RAM, 128GB SSD
Product short name specifications	HP mt46 Mobile Thin Client, 14", AMD Ryzen™ 3, 8GB RAM, 128GB SSD
Standard memory note	Transfer rates up to 3200 MT/s.
Storage capacity	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
UNSPSC code	43211506
Wireless antenna	2x2
Wireless standard	802.11a/b/g/n/ac
Wireless supplier	Realtek

[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 E243d 23.8-inch Docking Monitor	1TJ76A8 ★	
HP EliteDisplay E243d 23.8-inch Docking Monitor	1TJ76AA ★	
HP EliteDisplay E233 23-inch Monitor	1FH46AA	obsolete
HP EliteDisplay E243d 23.8-inch Docking Monitor	7MP20AA	
HP EliteDisplay E243m 23.8-inch Monitor	1FH48AA	
HP EliteDisplay E273m 27-inch Monitor	1FH51AA	
HP EliteDisplay S340c 34-inch Curved Monitor	V4G46AA	

Z Displays

HP DreamColor Z27x G2 Studio Display	2NJ08A4	
HP DreamColor Z31x Studio Display	Z4Y82A4	
HP Z24f G3 FHD Display	3G828AA	
HP Z24n G3 WUXGA Display	1C4Z5AA	
HP Z24u G3 WUXGA USB-C Display	1C4Z6AA	
HP Z25xs G3 QHD USB-C DreamColor Display	1A9C9AA	
HP Z27k G3 4K USB-C Display	1B9T0AA	
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	9VF99AA	
HP E24 G4 FHD No Stand(Bulk2) Monitor	3R473AA	
HP E24i G4 WUXGA Monitor	9VJ40AA	
HP E24mv G4 FHD Conferencing Monitor	169L0AA	

HP E24q G4 QHD Monitor	9VG12AA
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HP E24t G4 FHD Touch Monitor	9VH85AA
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HP E24u G4 FHD USB-C Monitor	189T0A7
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HP E24u G4 FHD USB-C Monitor	189T0AA
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HP E27 G4 FHD Monitor	9VG71AA
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HP E27q G4 QHD Monitor	9VG82AA
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HP E27u G4 QHD USB-C Monitor	189T3A7
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HP E27u G4 QHD USB-C Monitor	189T3AA
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Healthcare Edition Displays

HP Healthcare Edition HC241 Clinical Review Monitor	3ME68AA
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HP Healthcare Edition HC241p Clinical Review Monitor	3ME69AA
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ProDisplays

HP Mini-in-One 24 Display	7AX23AA
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P-Series

HP P19v G4 Monitor	9TY84AA
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HP P21v G4 Monitor	9TY72AA
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HP P22 G4 22 FHD Monitor	1A7E4AA
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HP P22h G4 FHD Monitor	7UZ36AA
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HP P22h G4 FHD Monitor	7UZ36AT
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HP P22v G4 Monitor	9TT53AA
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HP P24 G4 24 FHD Monitor	1A7E5AA
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HP P24h G4 FHD Monitor	7VH44AA
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HP P24q G4 QHD Height Adjust Monitor	8MB10AA
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HP P24v G4 Monitor	9TT78AA
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HP P27h G4 FHD Monitor	7VH95AA
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HP P27q G4 QHD Height Adjust Monitor	8MB11AA
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HP P27v G4 Monitor	9TT20AA
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Business LCD Monitors

HP P204v 19.5-inch Monitor	5RD66AA
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Value Displays

HP V22b Monitor	2XM33AA
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HP V24b Monitor	2XM34AA
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Accessories

Docking and Port Replicators

★ : Recommended

Docking Stations

HP USB-C Dock G5	26D32AA ★
HP USB-C Dock G5	5TW10AA ★
HP USB-C Dock G5	5TW10ET
HP USB-C Dock G5	5TW10UT

Keyboards/Mice and Input Devices

Keyboards

HP 125 Wired Keyboard	266C9AA
HP 125 Wired Keyboard	266C9UT

Mice

HP 128 Laser Wired Mouse	265D9AA
HP 128 Laser Wired Mouse	265D9UT
HP 635 Multi-Device Wireless Mouse	1D0K2AA
HP 635 Multi-Device Wireless Mouse	1D0K2UT
HP 935 Creator Wireless Mouse	1D0K8AA
HP 935 Creator Wireless Mouse	1D0K8UT

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

Cables/Cable Kits/Cable Adapters

Cable Adapters

HP USB Type-C to RJ45 Adapter	V8Y76AA
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