



HP Elite mt645 G8 Mobile Thin Client (AR0C3UA)



Overview

Our ultimate mobile solution for virtualization

Tackle mission-critical work with the high-performance HP Elite mt645 Mobile Thin Client. Featuring a powerful AMD Ryzen™ Processor[1,2] and DDR5 memory with advanced security and unified communications support, this high-quality virtualized endpoint delivers an elevated experience for hybrid workers with simple, scalable management for IT.

Unleash maximum performance

Tackle heavy workloads with a bright 16:10 aspect ratio display, DDR5 memory, and a powerful AMD Ryzen™ CPU.[1,2]

Flexible OS options

Maximize return on investment with a long life cycle and enable easy fleet management with a choice of OS.

Enterprise-grade security

Reinforce security with an end-to-end solution that keeps data secure and fleet management easy.

Help protect our shared future

The HP Elite mt645 Mobile Thin Client outer box packaging is 100 percent sustainably sourced and recyclable.[9,10]

[1] 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.

[2] Features and software that require an NPU may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.

[9] 100 percent outer box packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100 percent recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic.

[10] 100 percent of all paper-based packaging for PCs and displays have been derived from recycled and/or certified sustainable sources.

Specifications

Operating system	IGEL OS
Product color	Pike silver
Processor family	AMD Ryzen™ 5 processor
Processor	AMD Ryzen™ 5 7535U (up to 4.55 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads)
Memory	8 GB DDR5-4800 MT/s (1 x 8 GB)
Memory Slots	2 SODIMM
Internal Storage	256 GB PCIe® NVMe™ SSD
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ 660M Graphics
Display	35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 45% NTSC
Display	14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 45% NTSC ^[12,13,14,15,16]
Display size (diagonal)	35.6 cm (14")
Display size (diagonal)	14"
Audio	Audio by Poly Studio, dual stereo speakers with discrete amplifiers, integrated dual array microphones
Minimum dimensions (W x D x H)	31.86 x 22.43 x 1.09 cm (front); 31.86 x 22.43 x 1.7 cm (rear) <i>(Front height measurement is near the front edge where the chassis bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper ends.)</i>
Minimum dimensions (W x D x H)	12.54 x 8.83 x 0.43 in (front); 12.54 x 8.83 x 0.67 in (rear) <i>(Front height measurement is near the front edge where the chassis bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper ends.)</i>
Weight	Starting at 1.39 kg <i>(Weight will vary by configuration. Does not include power adapter.)</i>
Weight	Starting at 3.09 lb <i>(Weight will vary by configuration. Does not include power adapter.)</i>
Keyboard	HP Standard Keyboard — spill-resistant, optional backlit keyboard with DuraKeys
Pointing device	Clickpad with multi-touch gesture support
Input devices	Hall sensor; Thermal sensor; HP Tamper Lock ^[20]
Camera	FHD camera (select models)

Ports	2 USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 1 USB Type-A 5Gbps signaling rate (charging); 1 USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 headphone/microphone combo; 1 security lock slot; 1 smart card reader; 1 RJ-45 Ethernet port ^[10,45] (HDMI cable sold separately.)
Wireless	Realtek Wi-Fi 6E RTL8852CE (2x2) and Bluetooth® 5.3 wireless card
Power	HP 65 W USB Type-C™ adapter ^[18]
Battery type	HP Long Life 3-cell, 48 Wh polymer
Sustainable impact specifications	Low halogen
UPC number	198701529934
Manufacturer Warranty	1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.
Support service included	HP 3 year Return to Depot Notebook Hardware Support. For terms and conditions, please visit https://h20195.www2.hp.com/v2/GetPDF.aspx/4AA5-9399ENW & https://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-7123ENUS.pdf

Additional specifications

Battery brand	HP
Battery capacity	48
Battery capacity uom	Wh
Battery cells number	3
Battery life	Long Life
Battery life note	Battery is internal and not replaceable by customer. Serviceable by warranty. Fast charging 50% in 30 minutes.
Bluetooth version	Bluetooth® 5.3
Camera resolution (vertical)	1080p
Camera resolution standard	FHD
Certifications and compliances	GS Mark; CSA/UL 62368-1; FCC/ICES/CISPR/VCCI; CE Marking; China CCC/SRRC; Taiwan BSMI/NCC; Korea KCC/KC/KES; Ukraine NSoC/TEC; EAEU Compliance; Saudi Arabian Compliance; WW RoHS
Color gamut	45% NTSC
Datasheet photo 1	AHID/e0d62f8fd07bfde2fda210cafb5006ac431f1dbf
Datasheet photo 3	AHID/a20d4f54e7d7131dc165fc5bcc2fc0be9e3aeeb0
Datasheet photo 4	AHID/58828dcb6ff28b2b6641140b17639de7d89becc8
Datasheet photo 5	AHID/26138590a305f69989a59b088fd34bd60a4e7bcf
Display	14" diagonal WUXGA display
Display	35.6 cm (14") diagonal WUXGA display
Display brightness	300
Display brightness uom	nits
Display panel technology	IPS
Display resolution (pixels)	1920 x 1200
Display resolution standard	WUXGA
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
End of Life CO2e (kg)	0.7
Energy Usage CO2e (kg)	28
Keyboard backlight	backlit
Keyboard features	Spill-resistant

Keyboard size	Full-size
Manageability Features 1	HP Device Manager
Manageability Features 2	HP Easy Shell
Manageability Features 3	HP ThinUpdate
Manageability Features 4	HP USB Port Manager
Manageability Features 5	HP Write Manager
Manageability Features 7	Microsoft System Center Configuration Manager
Manageability Features footnote number 2	[25]
Memory layout (slots & size)	1 x 8 GB
Memory module type	DIMM
Memory size	8
Memory size uom	GB
Memory speed	4800
Memory speed uom	MT/s
Memory type	DDR5
Number of memory slots	1
Processor Brand	AMD
Processor cache	16 MB L3
Processor core	6
Processor family	Ryzen™ 5
Processor maximum frequency	4.55
Processor maximum frequency uom	GHz
Processor model	7535U
Processor threads	12
Product long name specifications	HP Elite mt645 G8 Mobile Thin Client, IGEL OS, AMD Ryzen™ 5, 8GB RAM, 256GB SSD
Product short name specifications	HP Elite mt645 G8 Mobile Thin Client, 14", AMD Ryzen™ 5, 8GB RAM, 256GB SSD
Production CO2e (kg)	113
Security management	HP Tamper Lock
Security management	Windows Hello Enhanced Sign-in Security (ESS) Enable
Security management	TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified)
Security management	HP TPM Configuration Utility
Security management	HP Platform Certificate
Security management	HP Sure Start

Security management footnote number	[20]
Security management footnote number	[31]
Software included	CyberLink Media Suite
Software included	HP Connection Optimizer
Software included	HEVC codec
Software included	TTWin
Software included	HP System Information
Software included	HP Auto Logon
Software included footnote number	HP Connection Optimizer requires Windows 10 and Windows 11.
Standard memory note	Transfer rates up to 4800 MT/s.
Storage capacity	256
Storage capacity uom 01	GB
Storage interface 01	PCIe®
Storage interface protocol 01	NVMe™
Storage type	SSD
Storage type 01	SSD
Total CO2e (kg)	150 <i>(A product carbon footprint is defined as the total amount of greenhouse gases emitted directly and indirectly by a product over its lifetime. Greenhouse gas emissions are reported as global warming potential for 100-year time horizon (GWP-100) in units of CO2 equivalence. Calculations are done in accordance with ISO 14040 & ISO 14044. Individual values may not sum to total due to rounding.)</i>
Transportation CO2e (kg)	10
UNSPSC code	43211503
Wireless Model	RTL8852CE
Wireless antenna	2x2
Wireless standard	Wi-Fi 6E
Wireless supplier	Realtek

[10] USB 20Gbps speed is not available with Thunderbolt™ 4.

[12] WUXGA/FHD resolution content required to view WUXGA/FHD resolution images.

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

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

[15] Actual brightness will be lower with touchscreen or Sure View.

[16] All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

[18] Availability may vary by country.

[20] HP Tamper Lock must be enabled by the customer or your administrator.

Services

HP Care Pack Services

★ : Recommended

Personal Systems Hardware Support Onsite Service

HP 3 year Next Business Day Response Onsite Notebook Hardware Support	U4414E ★
HP 3 year NBD Resp Onsite w/Accidental Damage Protection/Defective Media Retention NB HW Supp	UL784E
HP 3 year Next Business Day Response Onsite w/Accidental Damage Protection NB HW Supp	UC279E
HP 3y Next Business Day Response Onsite w/Defective Media Retention NB HW Supp	UE335E
HP 4 year NBD Resp Onsite w/Accidental Damage Protection/Defective Media Retention NB HW Supp	UL785E
HP 4 year Next Business Day Response Onsite Notebook Hardware Support	U7860E
HP 4 year Next Business Day Response Onsite w/Accidental Damage Protection NB HW Supp	UC284E
HP 4 year Next Business Day Response Onsite w/Defective Media Retention NB HW Supp	UE336E
HP 5 year NBD Resp Onsite w/Accidental Damage Protection/Defective Media Retention NB HW Supp	UL786E
HP 5 year Next Business Day Response Onsite Notebook Hardware Support	U7861E
HP 5 year Next Business Day Response Onsite w/Accidental Damage Protection NB HW Supp	UM236E
HP 5 year Next Business Day Response Onsite w/Defective Media Retention NB HW Supp	UE337E

Personal Systems Commercial Care Pack Services

HP 1 year Priority Access Plus Service for PCs (1000+ seats)	U80M9E
HP 1 year Priority Access Service for PCs (250+ seats)	U80M5E
HP 2yr Priority Access PC 250+ seats SVC	U80LYE
HP 2yr PriorityAccessPlus PC 1K+ seats SVC	U80LZE
HP 3 year NBD Resp Onsite w/Accidental Damage Protection/Travel Coverage NB HW Supp	UQ831E
HP 3 year Next Bus Day Response Onsite w/Defective Media Retention/Travel Coverage NB HW Supp	UJ336E
HP 3 year Next Business Day Response Onsite w/Travel Coverage Notebook Hardware Support	U4418E
HP 3 year Pickup and Return w/Accidental Damage Protection (1Claim) Notebook HW Supp	U8LK6E

HP 3 year Pickup and Return w/Accidental Damage Protection Notebook Hardware Support	U4428E
HP 3 year Pickup and Return w/Defective Media Retention Notebook Hardware Support	UJ407E
HP 3 year Priority Access Plus Service for PCs (1000+ seats)	U80MBE
HP 3 year Recover - Restore Onsite SW Supp	U80LQE
HP 3 year Recover Hard Disk Data SW Supp	U80LNE
HP 3 years Priority Access Service for PCs (250+ seats)	U80M6E
HP 3y Essential Offsite 1 time Battery Replacement	U87C9E
HP 3y Essential Offsite w/ADP Notebook	U85MWE
HP 3y NBD ONS w/Travel Coverage/Accidental Damage Protection/Defective Media Retention NB HW Supp	UQ832E
HP 3y Premium Onsite 1 time Battery Replacement	U87CDE
HP 4 year NBD Resp Onsite w/Accidental Damage Protection/Defective Media Retention/TRV NB HW Supp	UQ834E
HP 4 year NBD Resp Onsite w/Accidental Damage Protection/Travel Coverage NB HW Supp	UQ833E
HP 4 year Next Bus Day Response Onsite w/Defective Media Retention/Travel Coverage NB HW Supp	UJ337E
HP 4 year Next Business Day Response Onsite w/Travel Coverage Notebook Hardware Support	U7863E
HP 4 year Pickup and Return Notebook Hardware Support	U7868E
HP 4 year Pickup and Return w/Accidental Damage Protection (1Claim) Notebook HW Supp	U8LK7E
HP 4 year Pickup and Return w/Defective Media Retention Notebook Hardware Support	UJ408E
HP 4 year Priority Access Plus Service for PCs (1000+ seats)	U80MCE
HP 4 year Priority Access Service for PCs (250+ seats)	U80M1E
HP 4 years Pickup and Return Hardware Support with Accidental DamageProtection-G2 NB (unit only)	U9586E
HP 4y Essential Offsite 1 time Battery Replacement	U87CBE
HP 4y Essential Offsite Notebook	U85MTE
HP 4y Essential Offsite w/ADP Notebook	U85MXE
HP 4y Premium Onsite 1 time Battery Replacement	U87CFE
HP 5 year NBD Resp Onsite w/Accidental Damage Protection/Defective Media Retention/TRV NB HW Supp	UQ836E
HP 5 year Next Bus Day Response Onsite w/Defective Media Retention/Travel Coverage NB HW Supp	UJ338E
HP 5 year Next Business Day Resp Onsite w/Travel Coverage/Accidental Damage Protection NB HW Supp	UQ835E

HP 5 year Next Business Day Response Onsite w/Travel Coverage Notebook Hardware Support	U7864E
HP 5 year Pickup and Return Notebook Hardware Support	U7869E
HP 5 year Pickup and Return w/Accidental Damage Protection (1Claim) Notebook HW Supp	U8LK8E
HP 5 year Pickup and Return w/Accidental Damage Protection Notebook Hardware Support	UF223E
HP 5 year Pickup and Return w/Defective Media Retention Notebook Hardware Support	UJ409E
HP 5 year Priority Access Plus Service for PCs (1000+ seats)	U80MDE
HP 5 year Priority Access Service for PCs (250+ seats)	U80M2E
HP 5y Essential Offsite 1 time Battery Replacement	U87CCE
HP 5y Essential Offsite Notebook	U85MVE
HP 5y Essential Offsite w/ADP Notebook	U85MYE
HP 5y Premium Onsite 1 time Battery Replacement	U87CGE
HP Recover Hard Disk Data Svc Legacy	UE372E
OSRest/DRS/SWSup/PROMO HW ONS Only, 3 yr	U9AN7E

Accessories for PC

Power

★ : Recommended

Power Adapters

HP 110W USB-C Laptop Charger	8B3Y2AA
HP 110W USB-C Laptop Charger	8B3Y2UT

Keyboards/Other Input Devices

Wireless Keyboards

HP 965 Ergonomic Wireless Keyboard	7E756AA
------------------------------------	---------

Bags

Backpacks

HP Campus Blue Backpack	7J596AA
HP Campus Green Backpack	7J595AA
HP Campus XL Marble Stone Backpack	7J592AA
HP Campus XL Tie Dye Backpack	7J593AA
HP Prelude Backpack 15.6	1E7D6AA
HP Prelude Pro 15.6-inch Recycled Backpack	1X644AA
HP Renew Business 17.3-inch Laptop Backpack	3E2U5A6
HP Renew Business 17.3-inch Laptop Backpack	3E2U5AA
HP Renew Business 17.3-inch Laptop Backpack	3E2U5UT
HP Renew Executive 16 Laptop Backpack	6B8Y1UT
HP Renew Executive 16-inch Laptop Backpack	6B8Y1AA
HP Travel 18 Liter 15.6 Iron Grey Laptop Backpack	6B8U6AA
HP Travel 18 Liter 15.6 Iron Grey Laptop Backpack	6H2D9AA
HP Travel 25 Liter 15.6 Iron Grey Laptop Backpack	6B8U4AA
HP Travel 25 Liter 15.6 Iron Grey Laptop Backpack	6H2D8AA

Topload Bags

HP Prelude Pro 15.6-inch Recycled Top Load	1X645AA
HP Prelude Pro Rec 15.6 TL (Bulk 12)	1X645A6
HP Renew Business 14.1-inch Laptop Bag	3E5F9AA
HP Renew Business 15.6-inch Laptop Bag	3E5F8A6

HP Renew Business 15.6-inch Laptop Bag	3E5F8AA
HP Renew Business 17.3-inch Laptop Bag	3E2U6AA
HP Renew Executive 16-inch Laptop Bag	6B8Y2AA
HP Rnw Busi 14.1 Laptop Bag (Bulk 12)	3E5F9A6

Sleeves

HP Renew Business 14.1-inch Laptop Sleeve	3E2U7A6
HP Renew Business 14.1-inch Laptop Sleeve	3E2U7AA
HP Renew Executive 14-inch Laptop Sleeve	6B8Y3AA

Port Replicators/Dongles/Docking

Docking

HP Thunderbolt Dock 120W G4	4J0A2AA
HP Thunderbolt Dock 280W G4 w/Combo Cable	4J0G4AA
HP USB-C Dock G5	26D32AA
HP USB-C Dock G5	5TW10AA

Hybrid Work Solutions

Audio

★ : Recommended

Wired Headset

Poly EncorePro 310 Monaural USB-A Headset TAA	767G1AA
Poly EncorePro 525 Microsoft Teams Certified Stereo with USB-A Headset	783R2AA

Disclaimer — Copyright

Intel, Core, and Thunderbolt are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. AMD, Ryzen, and Radeon are trademarks of Advanced Micro Devices, Inc. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license. USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum. DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. All other trademarks are the property of their respective owners.

© Copyright 2024 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Generated by Dynamic Collateral Tool – (us-en) – Oct 14, 2024 1:26 PM UTC+0000