ProductSheet

HP Elite mt645 G8 Mobile Thin Client (B5YW9UT)

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]

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

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

Specifications

Operating system	Windows 11 IoT Enterprise 2024 LTSC
Product color	Pike silver
Processor family	AMD Ryzen™ 3 processor
Processor	AMD Ryzen™ 3 7335U (up to 4.3 GHz max boost clock, 8 MB L3 cache, 4 cores, 8 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
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) *(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.)*
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) *(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.)*
Weight	Starting at 1.39 kg *(Weight will vary by configuration. Does not include power adapter.)*
Weight	Starting at 3.09 lb *(Weight will vary by configuration. Does not include power adapter.)*
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	1080p FHD camera with integrated dual array microphones
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	MediaTek Wi-Fi 6E RZ616 (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	(ABA) 198990160146; (ABL) 198990160139

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

Messaging Footnotes

[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.

Technical Specifications Footnotes

[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.

© 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.

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.