

HP Elite t660 Thin Client (B16PYAA)



Overview

Empower your workforce with secure server-based computing

This high-performance, reliable HP Elite t660 Thin Client workhorse enables productivity, while HP Wolf Security[3] features provide IT peace of mind. Built to support demanding workloads, whether in the office or working remote, this cloud device helps end users tackle daily tasks, while versatile configurations help optimize workspaces.

Seamless multitasking performance

Experience peak productivity with a 5-core Intel® processor[1] and support for up to four stunning 4K displays.[2]

Effortless, secure collaboration

Efficiently manage projects with optimized UC solutions for Microsoft Teams, Zoom, Citrix WebEx, and more.[4]

HP BIOS and Wolf Security

Fortify security with the inherently secure HP thin client, enhanced by HP BIOS and Wolf Security.[3]

Build for a better tomorrow

The EPEAT® registered[5] thin client uses 100% sustainably sourced and recyclable outer box packaging.[6]

[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. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[2] 4k content required to view 4K images. Displays sold separately and not included.

[3] HP Wolf Security for Business is available via download from https://www.hp.com/us-en/security/endpoint-security-solutions.html?jumpid=ps_us_go_mk_se_cm018303_con_x Windows 10 or 11 Pro and higher is required. Various HP security features are included and are available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features.

[4] Internet access required and not included.

[5] EPEAT® status varies by country. Visit <http://www.epeat.net> for more information.

[6] 100% of HP paper-based packaging is from recycled or certified sustainable sources. HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP. Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for commercial, personal systems accessories, and spare parts is not included.

Specifications

Operating system	Windows 11 IoT Enterprise 2024 LTSC
Processor	Intel® Processor U300E (up to 4.3 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 5 cores, 6 threads)
Memory	16 GB DDR5-5600 MT/s (2 x 8 GB)
Memory Slots	2 SODIMM
Internal Storage	64 GB eMMC
Graphics	Integrated
Graphics (integrated)	Intel® Graphics
Audio	Internal amplified speaker system for basic audio playback
Dimensions (W x D x H)	3.5 x 20 x 20 cm (Vertical orientation.)
Dimensions (W x D x H)	1.38 x 7.87 x 7.87 in (Vertical orientation.)
Weight	1.15 kg (without stand); 1.2 kg (with stand) (Weight will vary depending on configuration.)
Weight	2.53 lb (without stand); 2.64 lb (with stand) (Weight will vary depending on configuration.)
Keyboard	HP USB 320K v2 Keyboard
Pointing device	HP Wired 320M Mouse
Ports	2 USB Type-A 5Gbps signaling rate; 1 3.5 mm audio jack; 1 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge)
Ports	1 USB Type-A 10Gbps signaling rate; 1 USB Type-A 5Gbps signaling rate; 2 USB 2.0 Type-A; 3 DisplayPort™ 1.4; 1 RJ-45; 1 audio-in/out
Network interface	Realtek RTL8111HSH-CG GbE
Wireless	Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, non-vPro®
Protocols	Citrix® HDX; Microsoft RFX/RDP; VMware Horizon® through RDP/PCoIP
Power	45 W external Smart AC power adapter, up to 87% efficiency
Ecolabels	ENERGY STAR® certified
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Low halogen; 80% recycled aluminum in the rear plate; 15% recycle SGCC steel chassis; 50% ocean-bound plastic in fan enclosure
Browser supported	Mozilla Firefox (for models with HP ThinPro); Microsoft Edge (for models with Windows 11 IoT Enterprise LTSC 2024)
UPC number	198828477958

Additional specifications

Bluetooth version	Bluetooth® 5.4
Datasheet photo 1	AHID/d8896f2c90d94824461bb3bb3d689fe559b98624
Display support	Up to 4 displays with three DisplayPort™ 1.4 video 3 DP outputs provided at the back of the system, 1 optional Type-C® card via option port.
End of Life CO2e (kg)	1
Energy Usage CO2e (kg)	101
I/O Port location	Front
I/O Port location	Back
Keyboard connectivity	Wired
Keyboard interface	USB
Memory layout (slots & size)	2 x 8 GB
Memory module type	SODIMM
Memory size	16
Memory size uom	GB
Memory speed	5600
Memory speed uom	MT/s
Memory type	DDR5
Number of memory slots	2
Processor Brand	Intel®
Processor cache	8 MB L3
Processor core	5
Processor frequency technology	Intel® Turbo Boost Technology
Processor maximum frequency	4.3
Processor maximum frequency uom	GHz
Processor model	U300E
Processor threads	6
Product long name specifications	HP Elite t660 Thin Client, Windows 11 IoT Enterprise 2024 LTSC, Intel® 16GB RAM, 64GB eMMC
Product short name specifications	HP Elite t660 Thin Client, Intel® 16GB RAM, 64GB eMMC
Production CO2e (kg)	161
Security management	HP Management Integration Kit for Microsoft System Center Configuration Management Gen 4
Security management	HP Secure Erase
Security management	HP Smart Zero Client Services

Security management	HP Sure Admin
Security management	HP User State Tool
Security management	HP Sure Start
Security management	HP Device Manager
Security management	HP USB Port Manager
Security management	HP Thin Update
Security management	HP Easy Tools
Security management footnote number	[12]
Security management footnote number	[10]
Software included	HP True Graphics
Software included	HP Easy Tools
Software included	HP Easy Shell
Software included	HP Device Manager
Software included	HP Write Manager
Software included	Microsoft AVD
Software included	HP ThinUpdate
Software included footnote number	[11]
Software included footnote number	[14]
Standard memory note	Transfer rates up to 5600 MT/s.
Storage capacity	64
Storage capacity uom 01	GB
Storage type	eMMC
Storage type 01	eMMC
Total CO2e (kg)	260 <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)	0.8
UNSPSC code	43211506
Wireless Model	BE200
Wireless antenna	2x2
Wireless standard	Wi-Fi 7
Wireless supplier	Intel®

vPro enabled

non-vPro®

Hybrid Work Solutions

Audio

★ : Recommended

Wired Headset

Poly EncorePro 525 USB-A Stereo Headset	783R3AA ★
Poly EncorePro 320 Stereo USB-A Headset TAA	767G0AA ★
Poly EncorePro 310 Monaural USB-A Headset TAA	767G1AA
Poly EncorePro 525 Microsoft Teams Certified Stereo with USB-A Headset	783R2AA

Accessories for PC

Stands/Mounting Brackets

★ : Recommended

Mounting Brackets

Dual VESA Mount Bracket for HP TClient	9UB87AA
HP B300 PC Mounting Bracket	2DW53AA
HP B550 Z Display PC Mounting Bracket	16U00AA
HP Thin Client Mounting Bracket	2FT00AA

Video Devices

Video Devices

HP 435 FHD Webcam	77B10AA
HP 625 FHD Webcam	6Y7L1AA

Keyboards/Other Input Devices

Wired Keyboards

HP Bus Slim v2 Smart Card USB Keyboard	A71J9AA
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Security

Security Cables

HP Keyed Cable Lock	T1A62AA
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Power

Power Adapters

HP Thin Client 45W Power Supply Cable Y3U68AA	Y3U68AA
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Port Replicators/Dongles/Docking

Docking

HP Thunderbolt 120W G4 Dock	4J0A2AA
HP USB-C Dock G5	5TW10AA
HP USB-C G5 Dock	26D32AA

Cables/Cable Adapters/Dongles

Workforce Computing

★ : Recommended

Support Services (Workforce Computing)

HP 1 year Post Warranty Next Business Day Response Advanced Exchange Thin Client HW Supp	U4848PE
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 Next Business Day Response Advanced Exchange Thin Client Hardware Support	U4847E
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 4 year Next Business Day Response Advanced Exchange Thin Client Hardware Support	U7927E
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 year Return to Depot Thin Client Hardware Support	UD798E
HP 5 year Next Business Day Response Advanced Exchange Thin Client Hardware Support	U7929E
HP 5 year Priority Access Plus Service for PCs (1000+ seats)	U80MDE
HP 5 year Priority Access Service for PCs (250+ seats)	U80M2E
HP 5 year Return to Depot Thin Client Hardware Support	UD799E

Monitors

Business Monitors

★ : Recommended

Series 5 Pro

HP Series 5 Pro 23.8 inch FHD USB-C Conferencing Monitor - 524pm	9E0G9UT
HP Series 5 Pro 27 inch QHD USB-C Conferencing Monitor - 527pm	9E0Y9UT

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