



# HP Elite mt645 G7 Mobile Thin Client (769N2UT)

## Overview



### Experience exceptional cloud productivity and performance.

Drive productivity and performance in a hybrid work environment with the fast, efficient AMD Ryzen™ processor<sup>1</sup> and premium, commercial-grade connectivity and security features on this thin client. This strikingly designed, durable mobile thin client can withstand wear and tear and undergoes MIL-STD testing<sup>5</sup>—making the most of your technology investment.

### Powered for hybrid cloud work

Effectively tackle heavy workloads with the AMD Ryzen™ 5000 series processor<sup>[1]</sup> and advanced connectivity options.

### Elegant design, built to last

Confidently carry this mobile thin client with a durable, striking design that undergoes MIL-STD testing.<sup>[5]</sup>

### Multi-layered security features

Premium features help protect your system and data from threats with HP Sure Start<sup>[3]</sup> and firmware TPM 2.0.<sup>[4]</sup>

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*[1] 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.*

*[3] HP Sure Start Gen 7 is available on select HP devices. See product specifications for availability.*

*[4] TPM 2.0 is limited on HP ThinPro/HP Smart Zero, and functionality is dependent upon use of a customer-enabled application that can locate the TPM chip.*

*[5] MIL-STD testing is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.*

## Specifications

<b>Operating system</b>	Windows 10 IoT Enterprise
<b>Processor family</b>	AMD Ryzen™ 3 processor
<b>Processor</b>	AMD Ryzen™ 3 5425U (up to 4.1 GHz max boost clock, 8 MB L3 cache, 4 cores, 8 threads)
<b>Chipset</b>	SoC
<b>Memory</b>	8 GB DDR4-3200 MHz RAM (2 x 4 GB)
<b>Memory Slots</b>	2 SODIMM
<b>Internal Storage</b>	256 GB PCIe® NVMe™ SSD
<b>Graphics</b>	Integrated
<b>Graphics (integrated)</b>	AMD Radeon™ Graphics
<b>Display</b>	35.6 cm (14") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC
<b>Display</b>	14" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC <sup>[17,18, 19, 20, 21]</sup>
<b>Display size (diagonal)</b>	35.6 cm (14")
<b>Display size (diagonal)</b>	14"
<b>Audio</b>	Dual stereo speakers, dual array microphones
<b>Minimum dimensions (W x D x H)</b>	32.19 x 21.39 x 1.99 cm
<b>Weight</b>	Starting at 1.38 kg
<b>Keyboard</b>	HP Premium Keyboard – spill-resistant with optional backlit keyboard
<b>Pointing device</b>	Clickpad with multi-touch gesture support, taps enabled as default
<b>Camera</b>	720p HD camera
<b>Ports</b>	1 AC power; 1 headphone/microphone combo; 1 RJ-45; 1 HDMI 2.0; 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 4 SuperSpeed USB Type-A 5Gbps signaling rate (charging) <sup>[12]</sup> (HDMI cable sold separately.)
<b>Wireless</b>	Realtek RTL8852BE Wi-Fi 6 (2x2) and Bluetooth® 5.2 combo
<b>Protocols</b>	Citrix® ICA; Microsoft RFX/RDP; VMware Horizon® View™ through RDP/PCoIP, and Blast Extreme (Protocols are dependent on operating system installed.); Azure Virtual Desktop add-on; Microsoft 365
<b>Power</b>	HP 65 W USB Type-C™ adapter <sup>[29]</sup>
<b>Battery type</b>	HP Long Life 3-cell, 51 Wh Li-ion
<b>Management features</b>	HP Cloud Endpoint Manager; HP Write Filter; HP BIOS Configuration Utility; HP Device Manager <sup>[22]</sup>
<b>Sustainable impact specifications</b>	Low Halogen

<b>Security management</b>	USB enable/disable (via BIOS); Power-on password (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; HP Secure Erase; BIOS Update via Network; HP BIOSphere Gen6; HP Sure Start Gen7; HP Tamper Lock; HP DriveLock and Automatic DriveLock <sup>[23,24,27]</sup>
<b>Software included</b>	HP Connection Optimizer; HP Hotkey Support <sup>[33]</sup>
<b>Browser supported</b>	Mozilla Firefox; Mozilla Firefox (models with HP ThinPro); Microsoft Edge; Microsoft Edge (models with Windows)
<b>UPC number</b>	197029451675

## Additional specifications

Battery brand	HP
Battery capacity	51
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.
Battery type	Li-ion
Bluetooth version	Bluetooth® 5.2
Camera resolution (vertical)	720p
Camera resolution standard	HD
Certifications and compliances	CCC; CECP; GS Mark
Color gamut	45% NTSC
Datasheet photo 1	AHID/de779115cc521bfcc9bf8c2f45455ef60a85dfe1
Datasheet photo 3	AHID/5d405255e62658e07263af401b08c2ef3208bdcd
Datasheet photo 4	AHID/51a96db123f127b657ddcbbc8f9ebc54b065e123
Datasheet photo 5	AHID/094826a0909fac9bf5258f24f9284f52f6637bf6
Display	35.6 cm (14") diagonal FHD display
Display	14" diagonal FHD display
Display bezel	narrow bezel
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	non-ECC
Keyboard backlight	backlit
Keyboard features	Spill-resistant

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 cache	8 MB L3
Processor core	4
Processor family	Ryzen™ 3
Processor maximum frequency	4.1
Processor maximum frequency uom	GHz
Processor model	5425U
Processor threads	8
Product long name specifications	HP Elite mt645 G7 Mobile Thin Client, Windows 10 IoT Enterprise, AMD Ryzen™ 3, 8GB RAM, 256GB SSD
Product short name specifications	HP Elite mt645 G7 Mobile Thin Client, 14", AMD Ryzen™ 3, 8GB RAM, 256GB SSD
Standard memory note	Transfer rates up to 3200 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
UNSPSC code	43211503
Wireless Model	RTL8852BE
Wireless antenna	2x2
Wireless standard	Wi-Fi 6
Wireless supplier	Realtek

[12] SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4.

[17] 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.

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

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

[20] Touchscreen display not available with ThinPro and Smart Zero Core.

[21] HD content required to view HD images.

[22] Select HP mt645 Mobile Thin Clients are pre-loaded with HP Cloud Endpoint Manager for a 12-month term, starting at device enrollment. CEM supports endpoints running Windows 10 IoT 2016 or later or ThinPro 7.2 SP8 or later. At the end of the 12-month period, a new license will be required to continue accessing all features. For complete details, configuration requirements, and feature listings as they become available, see datasheet at the following URL: <https://www8.hp.com/h20195/v2/GetDocument.aspx?docname=c08045808>.

[23] HP BIOSphere Gen6 features may vary depending on the platform and configuration.

[24] HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 and higher.

[27] Tamper Lock is an optional feature that must be configured at time of purchase.

[29] Availability may vary by country.

[33] Windows only.

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## 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 Next Business Day Response Onsite w/Accidental Damage Protection NB HW Supp	UC279E ★
HP 4 year Next Business Day Response Onsite Notebook Hardware Support	U7860E ★
HP 1 year Post Warranty Next Bus Day Response Onsite w/Defective Media Retention NB HW Supp	HP715PE
HP 1 year Post Warranty Next Business Day Response Onsite Notebook Hardware Support	U4416PE
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/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 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 PW Next Bus Day Resp Onsite w/Travel Coverage/Defective Media Retention NB HW Supp	UJ890PE
HP 1 year Post Warranty Next Business Day Response Onsite w/Travel Coverage NB HW Supp	U4420PE
HP 1 year Post Warranty Pickup and Return Notebook Hardware Support	U4426PE
HP 3 year Battery Replacement (CSR 1xL) Notebook Hardware Support	U9UX2E
HP 3 year Data Recovery Desktop Hardware Support	UE372E
HP 3 year Data Recovery-OS Restore Onsite (6 calls) (Promo) Desktop Hardware Support	U9AN7E

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 Pickup and Return w/Defective Media Retention/Accidental Damage Protection NB HW Supp	UJ414E
HP 3y NBD ONS w/Travel Coverage/Accidental Damage Protection/Defective Media Retention NB HW Supp	UQ832E
HP 4 year Battery Replacement (CSR 1xL) Notebook Hardware Support	U9UX3E
HP 4 year NBD Resp Onsite w/Accidental Damage Protection/Defective Media Retention/TRV NB HW Supp	UQ834E
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 Onsite Battery Replacement (No CSR replace 1x L) N HW Supp	U9UX1E
HP 4 year Pickup and Return Battery Replacement (No CSR replace 1x L) N HW Supp	U9UX0E
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 Pickup and Return w/Defective Media Retention/Accidental Damage Protection NB HW Supp	UJ415E
HP 4 years Pickup and Return Hardware Support with Accidental DamageProtection-G2 NB (unit only)	U9586E
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
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HP 5 year Pickup and Return w/Accidental Damage Protection Notebook Hardware Support	UF223E
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HP 5 year Pickup and Return w/Defective Media Retention Notebook Hardware Support	UJ409E
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HP 5 year Pickup and Return w/Defective Media Retention/Accidental Damage Protection NB HW Supp	UJ416E
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## Accessories

### Keyboards/Mice and Input Devices

★ : Recommended

#### Keyboards

HP 125 Wired Keyboard	266C9AA
HP 125 Wired Keyboard	266C9UT
HP 455 Programmable Wireless Keyboard	4R177A6
HP 455 Programmable Wireless Keyboard	4R177AA
HP 975 Dual-Mode Wireless Keyboard	3Z726AA
HP 975 Dual-Mode Wireless Keyboard	3Z726UT
HP Wired Desktop 320K Keyboard	9SR37AA
HP Wired Desktop 320K Keyboard	9SR37UT

#### Mice

HP 125 Wired Mouse	265A9AA
HP 125 Wired Mouse	265A9UT
HP 125 Wired Mouse (Bulk120)	265A9A6
HP 128 LSR WRD Mouse (Bulk120)	265D9A6
HP 128 Laser Wired Mouse	265D9AA
HP 128 Laser Wired Mouse	265D9UT
HP 235 Slim Wireless Mouse	4E407AA
HP 435 Multi-Device Wireless Mouse	3B4Q5AA
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
HP Bluetooth Travel Mouse	6SP30AA
HP Bluetooth Travel Mouse	6SP30UT
HP Wired Desktop 320M Mouse	9VA80AA
HP Wired Desktop 320M Mouse	9VA80UT
HP Wireless Premium Mouse	1JR31AA
HP Wireless Premium Mouse	1JR31UT

#### Keyboard and Mouse Kits

HP 225 Wired Mouse and Keyboard Combo	286J4AA
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HP 225 Wired Mouse and Keyboard Combo	286J4UT
HP 235 Wireless Mouse and Keyboard Combo	1Y4D0AA
HP 235 Wireless Mouse and Keyboard Combo	1Y4D0UT
HP 655 Wireless Keyboard and Mouse Combo	4R009AA
HP 655 Wireless Keyboard and Mouse Combo (Black 10)	4R009A6
HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA
HP Wired Desktop 320MK Mouse and Keyboard	9SR36UT
HP Wireless Rechargeable 950MK Mouse and Keyboard	3M165AA
HP Wireless Rechargeable 950MK Mouse and Keyboard	3M165UT

## Memory

### DDR4 Memory

HP 16 GB 3200MHz DDR4 Memory	286J1AA
HP 16 GB 3200MHz DDR4 Memory	286J1UT
HP 4 GB 3200MHz DDR4 Memory	286H5AA
HP 8 GB 3200MHz DDR4 Memory	286H8AA
HP 8 GB 3200MHz DDR4 Memory	286H8UT

## Webcams

### Web Cameras

HP 325 FHD Webcam	53X27AA
HP 965 4K Streaming Webcam	695J5AA

## Batteries/Chargers/Adapters

### Power Adapters

HP 45W USB-C LC Power Adapter	1MZ01AA
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### Battery Adapters and Chargers

HP 65W GaN USB-C Laptop Charger	600Q7AA
HP 65W GaN USB-C Laptop Charger	600Q8AA
HP 65W GaN USB-C Laptop Charger	600Q8UT
HP USB-C 65W Laptop Charger	671R2AA
HP USB-C 65W Laptop Charger	671R3AA
HP USB-C 65W Laptop Charger	671R3UT

## AC Adapters

HP 65W Smart AC Adapter	H6Y89AA
HP 65W Smart AC Adapter	H6Y89UT
HP 65W USB-C LC Power Adapter	1P3K6AA
HP 65W USB-C LC Power Adapter	1P3K6UT

## Security and Protection

### PC Locks

HP Essential Nano Combination Cable Lock	63B31AA
HP Essential Nano Combination Cable Lock	63B31UT
HP Nano Combination Cable Lock	63B28AA
HP Nano Combination Cable Lock	63B28UT
HP Nano Keyed Cable Lock	1AJ39AA
HP Nano Keyed Cable Lock	1AJ39UT
HP Nano Master Keyed Cable Lock	1AJ40AA
HP Sure Key Cable Lock	6UW42AA
HP Sure Key Cable Lock	6UW42UT

## Cases and Covers

### Cases

HP Executive 14.1 Slim Top Load	6KD04AA
HP Executive 14.1 Slim Top Load	6KD04UT
HP Executive 15.6 Top Load	6KD06AA
HP Executive 15.6 Top Load	6KD06UT
HP Prelude Pro 15.6-inch Recycled Top Load	1X645AA
HP Prelude Pro 15.6-inch Recycled Top Load	1X645UT
HP Prelude Pro Rec 15.6 TL (Bulk 12)	1X645A6
HP Renew Business 14.1-inch Laptop Bag	3E5F9A6
HP Renew Business 14.1-inch Laptop Bag	3E5F9AA
HP Renew Business 14.1-inch Laptop Bag	3E5F9UT
HP Renew Business 15.6-inch Laptop Bag	3E5F8A6
HP Renew Business 15.6-inch Laptop Bag	3E5F8AA
HP Renew Business 15.6-inch Laptop Bag	3E5F8UT
HP Renew Business 17.3-inch Laptop Bag	3E2U6AA
HP Renew Business 17.3-inch Laptop Bag	3E2U6UT

## Backpacks

HP Executive 15.6 Backpack	6KD07AA
HP Executive 15.6 Backpack	6KD07UT
HP Prelude Backpack 15.6	1E7D6AA
HP Prelude Pro 15.6-inch Recycled Backpack	1X644AA
HP Prelude Pro 15.6-inch Recycled Backpack	1X644UT
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

## Covers

HP Renew 14 Laptop Sleeve	2E6U9AA
HP Renew Business 14.1-inch Laptop Sleeve	3E2U7AA
HP Renew Business 14.1-inch Laptop Sleeve	3E2U7UT

## Graphics Cards

### Graphics Connectors/Adapters

HP HDMI to VGA Adapter	H4F02AA
HP HDMI to VGA Adapter	H4F02UT

## Audio/Multimedia and Communication Devices

### Headsets

HP Stereo 3.5mm Headset G2	428K7AA
HP Stereo 3.5mm Headset G2	428K7UT
HP Stereo USB Headset G2	428K6AA
HP Stereo USB Headset G2	428K6UT

## Docking and Port Replicators

### Docking Stations

HP Thunderbolt Dock 120W G4	4J0A2AA
HP Thunderbolt Dock 280W G4 w/Combo Cable	4J0G4AA

## Cables/Cable Kits/Cable Adapters

### Cable Adapters

HP USB-C to DP Adapter	N9K78AA
HP USB-C to DP Adapter	N9K78UT
HP USB-C to HDMI 2.0	1WC36AA
HP USB-C to HDMI 2.0	1WC36UT
HP USB-C to USB 3.0 Adapter	N2Z63AA
HP USB-C to USB 3.0 Adapter	N2Z63UT
HP USB-C to VGA Adapter	N9K76AA
HP USB-C to VGA Adapter	N9K76UT

## Network Adapters

### Wireless LAN

HP XMM 7560 R+ LTE-Advanced Pro WWAN	5R8X8AA
HP XMM 7560 R+ LTE-Advanced Pro WWAN	5R8X8UT

# Monitors

## Business Monitors

★ : Recommended

### E-Series

HP E24m G4 FHD USB-C Conferencing Monitor	40Z32AA
HP E24u G4 FHD USB-C Monitor	189T0AA
HP E27m G4 QHD USB-C Conferencing Monitor	40Z29AA
HP E27u G4 QHD USB-C Monitor	189T3AA

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