HP t620 Flexible Thin Client Product Specifications

Product image

HP t620 Flexible Thin Client

Product features

Feature	Description
Processor	- AMD GX-217GA Dual-Core APU with AMD Radeon HD 8280E graphics (1.65 GHz) - AMD GX-415GA Quad-Core APU with AMD Radeon HD 8330E (1.5 GHz)
Storage	16-64GB MLC mSATA SSD

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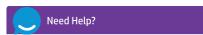| Feature	Description
Memory	- System memory: 4 GB DDR3L 1600 MHz standard, up to 16 GB - Flash memory: 16 GB for configurations using HP ThinPro, HP Smart Zero Technology, and Microsoft Windows Embedded Standard 7E
Graphics	- Integrated AMD GX-217GA Dual-Core APU with AMD Radeon HD 8280E graphics (1.65 GHz) - AMD GX-415GA Quad-Core APU with AMD Radeon HD 8330E (1.5 GHz)
Communication	- 10/100/1000 Gigabit Ethernet (RJ-45) (actual speeds may vary) - Broadcom 802.11 a/b/g/n Wi-Fi with dual internal antennas (optional) - Broadcom 802.11ac with dual internal antennas (optional) - HP 100 Mbps Mini PCIe SC Fiber NIC (factory-installed option)
Audio	- Internal amplified speaker - 1/8-inch mini jack out - Full 24-bit stereo - Up to 192kHz sample rate - 1/8-inch mini jack microphone in - 24-bit stereo - up to 192 kHz sample rate input audio line in and out connectors on rear panel.

Ports and connectors	- Front:
	  - 2 USB 2.0
	  - 2 USB 3.0
	  - 1 Headphone
	  - 1 Microphone
	- Rear:
	  - 2 USB 2.0
	  - 2 DisplayPort 1.2
	  - 1 RJ45
	  - 1 Audio Line-in
	  - 1 Audio Line-Out
	  - 1PS/2 KB
	  - 1 PS/2 Mouse
	  - 1 Configurable Port= 1 Serial (Default) or Fiber NIC or VGA
	  - Hidden: 2 USB 2.0

Power	65W worldwide auto-sensing 100-240 VAC 50-60Hz surge-tolerant power supply
Input devices	- Standard keyboard - Optical mouse included (USB or PS/2)

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Audio/Video

Specifications	Description
Output	• Internal amplified speaker • 1/8-inch stereo mini jack (headphones, on front panel) • 1/8-inch stereo mini jack (line out, on rear panel) • Full 24-bit stereo • Up to 192 kHz sample rate
Input	• 1/8-inch mini jack microphone (on front panel) • 1/8-inch stereo mini jack (line in, on rear panel) • 24-bit stereo • Up to 192 kHz sample rate
Audio CODECS with hardware acceleration support	• MP3 • AAC stereo & HE AAC • WMA stereo
Video CODECS with hardware acceleration support	• MPEG-4 part 2 (DivX, Xvid) • MPEG-4 part 10 (H.264, AVC) • WMV 7/8/9/ VC-1 & ASF Demuxer

Memory

Specifications	Description				
	ThinPro	HP Smart Zero Technology	WES 7E	WES 7P	WES 8
Flash (boot drive) SSD	16GB	16GB	16GB	16GB	16GB
Standard system memory	4GB	4GB	4GB	4GB	4GB
System memory reserved for graphics (minimum)	512MB				
Maximum system memory (memory speed is 1600 MHz)	16GB DDR3L 1600 MHz (8GB x 2)	16GB DDR3L 1600 MHz (8GB x 2)	4GB DDR3L 1600 MHz (4GB x 1)	16GB DDR3L 1600 MHz (8GB x 2)	16GB DDR3L 1600 MHz (8GB x 2)

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Specifications	Description				
	ThinPro	**HP Smart Zero Technology**	**WES 7E**	**WES 7P**	**WES 8**
Memory slots	2 SODIMMs				

Networking

Specifications	Description
Connector	RJ-45
Data rates supported	- 10Gb - 100Gb - 1000Gb
Management	- Wake on LAN (WOL) - PXE - TCP/IP with DNS and DHCP
HP Fast Ethernet Mini PCIe SC Fiber Network Interface Card (factory-installed option)	
Adapter	Allied Telesis AT-27MINI Fast Ethernet Fiber PCI Express MINI Network Interface Card
Form factor	Custom-designed card plugs into PCI-Express Mini Card slot, and mounts into device bay inside HP t620 chassis
Management features	- WMI - ACPI 2.0/w01 - PXE 2.1 boot ROM - SNMP
Ethernet	- IEEE 802.1p (Quality of Service) - IEEE 802.2 (LLC) - IEEE 802.3ac (MAC) - IEEE 802.3u (100Mbps) - IEEE 802.1as (Audio Bridging) - P802.1Qav - P802.1Qat (SRP) - 1588-2000 (PTP)

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Specifications	Description
Network controller	Broadcom BCM57762
Connectors	SC
Power consumption	2 W(typical)
Compliance	- RoHS - UL - FCC/EN55022 Class A - TUV - EN55024 - CE - C-TICK - VCCI

Energy consumption

Specifications	Description		
	115 V ac (60 Hz)	230 V ac (50 Hz)	100 V ac (60 Hz)
Standard models (dual core)[1]			
Idle state	4.4236 W	4.5105 W	4.4132 W
Sleep state	0.6241 W	0.6653 W	0.6153 W
Off mode	0.4825 W	0.5287 W	0.4811 W
Standard models (quad core)[2]			
Idle state	4.9246 W	4.993 W	4.9151 W
Sleep state	0.5738 W	0.6337 W	0.5747 W

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Specifications	Description		
	115 V ac (60 Hz)	230 V ac (50 Hz)	100 V ac (60 Hz)
Off mode	0.4153 W	0.4601 W	0.4132 W

NOTE: **1**: Standard models (dual core): slim 15 W 2C, 4G RAM, 32G mSATA, WES 7E. **2**: Standard models (quad core): slim 15 W 4C, 4G RAM, 32G mSATA, WES 7E.

Power specifications

Specifications	Description
Efficiency	65 W
Voltage range	Worldwide auto-sensing 100 - 240 V ac
Line frequency	50 - 60 Hz

Physical specifications

Specifications	Description
Standard chassis vertical orientation with stand (H x W x D)	240 x 220 x 40 mm (9.5 x 8.7 x 1.6 in)
Standard chassis with stand	1.36 kg (3 lb)

Software/OS

Feature	Description
Operating system preinstalled[1]	- HP ThinPro - HP Smart Zero Technology - Microsoft Windows Embedded Standard 7E

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Environmental specifications

Specifications	Description
Temperature range	- Operating: - Standard: 10°C to 40°C (50°F to 104°F) - Using Quick Release with a flat panel monitor: 10°C to 35°C (50°F to 95°F) - Using PCIe Expansion Card: 10°C to 40°C (50°F to 104°F) - Standard chassis with Fiber NIC: 10°C to 35°C (50°F to 95°F) - Non-operating: -30°C to 60°C (-22°F to 140°F)
Humidity	- Condensing: 20% to 80% - Non-condensing: 10% to 90% non-condensing

> *NOTE:* Specifications are at sea level with altitude de-rating of 1° C/300m (1.8° F/1000ft) to a maximum of 3 Km (10,000 ft), with no direct, sustained sunlight. Upper limit may be limited by the type and number of options installed.

Regulatory compliance

Specifications	Description
Ergonomics	Approved
Safety	- UL 1950 - CSA 950 - TÜV-GS (EN60 950) - Approved
RF interference	- FCC Class B - CE Mark - EN55022B - VCCI
Eco-Label Certifications & declarations	- ENERGY STAR - EPEAT - Models using the factory-installed HP 100 Mbps Mini PCIe Fiber NIC may not meet ENERGY STAR or EPEAT requirements.[1] NOTE: **1**: Only true for Linux SKUs. WES7E SKUs pass with Fiber NIC

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Warranty information

Terms of warranty apply to the individual model purchased. To see if your HP product is still in warranty, go to the [HP Product Warranty Check page](#).
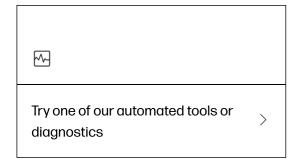
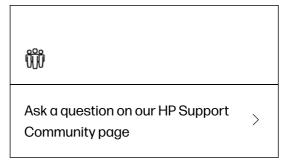**Please help us improve by providing feedback on your experience with the document.**

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