Data sheet

HP t620 Flexible Thin Clients

Powerful and seamless desktop experience, enhanced security, and premium client virtualization.

Get flexibility where you need it. Customize your thin client with everything you need and nothing you don't. Choose the configuration options and expansion capabilities that best fit your business and help ensure an ideal end user experience.

HP t620 Slim chassis

HP t620 PLUS chassis

Tailor your hardware and software performance to your exact requirements
Configure your deployment to provide a powerful seamless desktop experience for your end users without exceeding your budget.

Choose the dual-or quad-core AMD GX processor[1] and AMD HD professional graphics combination best suited to your business.

Pick the HP enhanced OS environment that's ideal for your budget and performance requirements.

Reliable connectivity options
Pick the technology that's best for you—choose from two optional enterprise-class, factory-installed Wi-Fi NICs with internal antennas or optional integrated HP 100 Mbps Mini PCIe SC Fiber NIC[2,3,4]

Support single, dual or quad digital display setups up to 2560x1600,[5] or choose legacy VGA.

Expand your capabilities with the PCI Express slot with 16x connector and 4x operation, available only on the HP t620 Flexible Thin Client PLUS chassis.

Virtualization for power users
Get high-fidelity, no-hassle connectivity to your virtualized desktops and applications with the latest client software and certifications from Citrix, VMware, and Microsoft.

Cure IT headaches and manage and deploy thin clients hassle-free with HP Device Manager.

Improve network performance and the end-user experience with HP Velocity software.

Customize security the way you want
Help protect your thin client environment with integrated and optional hardware and software security solutions, including: HP BIOS implemented to NIST guidelines, a TPM chipset, Fiber NIC communications, and lockable port cover options.

Designed to give you peace of mind
Reduce desktop service calls and product refreshes with a completely redesigned chassis that includes advanced passive cooling for fan-less support of quad-core processors[1]

Order products world-wide with local configurations and support through Global Series Program that helps ensure consistent deployments around the world.

Reduce power consumption. Help lower your costs with an intelligent, energy-efficient design that's ENERGY STAR® qualified and EPEAT® Gold registered.[6]

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Hardware specification

Operating Systems	Available with preinstalled HP ThinPro, HP Smart Zero Technology, Microsoft Windows Embedded Standard 7E	
Processor[1]	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) PLUS: AMD GX-420CA Quad- Core APU with AMD Radeon HD 8400E graphics (2 GHz)	
System memory[3,7]	4 GB DDR3L 1600 MHz standard, up to 16 GB	
Storage	16-64GB MLC mSATA SSD	
Flash memory	16 GB for configurations using HP ThinPro, HP Smart Zero Technology, and Microsoft Windows Embedded Standard 7E	
Graphics[8]	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) PLUS: Integrated AMD GX-420CA Quad- Core APU with AMD Radeon HD 8400E graphics (2 GHz); AMD FirePro 2270 (optional) Notes:AMD Radeon HD 8280E graphics available on dual-core 1.65 GHz processor only. AMD Radeon HD 8330E graphics available on quad-core 1.5 GHz processor only. Either 2 x DisplayPort 1.2 from factory, or 1 x DisplayPort 1.2 (active) and 1 x VGA (in option port) AMD FirePro 2270 option includes 2 x DVI-I adapter. 2 x DisplayPort 1.2 adapter available as after-market option. AMD Radeon HD 8400E graphics available on quad-core 2.0 GHz processor only.	
Monitor support	2 x DisplayPort 1.2, or 1 x DisplayPort 1.2 and 1 x VGA (some models) (see other monitor support options, above)	
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.	
Communications[2,3,4,9]	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)	
Ports and connectors[10]	Standard models: 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 PLUS models: 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; 1 Riser Card/ Expansion Slot (PCIe 2nd Gen, x16 slot with x4 channels), 1 additional serial, 1 additional Parallel; Hidden: 2 USB 2.0 Quad-head video models: 4 USB 2.0 (2 front/2 rear), 2 USB 3.0 (rear), 2 DVI-I, 2 DisplayPort, 2 PS/2, 2 serial, 1 parallel, 1 RJ-45 (PCIe slot is occupied by AMD FirePro 2270 card).	
Input devices	Standard keyboard and optical mouse included (USB or PS/2)	
Expansion	PLUS only: 1 half-height PCIe x16 (x4 channels)	
Power	Standard chassis: 65W worldwide auto-sensing 100-240 VAC 50-60Hz surge-tolerant power supply PLUS chassis: 85W worldwide auto-sensing 100-240 VAC 50-60Hz surge-tolerant power supply	
Environmental[6]	ENERGY STAR qualified; EPEAT registered rated; Low halogen[11]	
Dimensions (WxDxH)	Standard chassis (vertical orientation) With stand: 8.7 x 1.6 x 9.5 in (22x4x24 cm)	PLUS chassis (vertical orientation) With stand: 8.7 x 2.6 x 9.5 in (22 x 6.5 x 24 cm)
Weight	Standard chassis With stand: 3 lbs (1.36 kg)	PLUS chassis With stand: 4.49 lb (2.04 kg)
Warranty[12]	Limited three-year hardware warranty	

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		Smart Zero	ThinPro	WES 7E
Host Environment	**Protocol**			
Microsoft Remote Desktop Services	RemoteFX (RFX)	•	•	•
	RDP	•	•	•
Citrix	ICA	•	•	•
	HDX	•	•	•
VMware Horizon View	RDP	•	•	•
	PCoIP	•	•	•
Protocol Clients				
Citrix Receiver*		12.1.5	3.3 (S)	4.0
Microsoft Remote Desktop Client			8	8
VMware Horizon View Client*	1.7	2.1	2.1	5.4
Remote Graphics Software (RGS)			Via Add-on	•
HP TeemTalk Terminal Emulator		7.3	7.3	7.3
Free RDP		1.0	1.0	
Browser Support				
Mozilla Firefox		19	19	
Internet Explorer				9
Security				
Smart Card		•	•	•
Logon Manager				•
Read Only Operating System				•
802.1x		•	•	•
Enhanced Write Filter (EWF)				EWF
File-Based Write Filter (FBWF) Unified				FBWF
Microsoft Firewall				•
Session brokers				
Citrix XenDesktop		•	•	•
VMware Horizon View		2.1	2.1	5.4
Leostream Desktop Connection broker (available from vendor website)				from vendor site
Management Tools				
HP Device Manager		•	•	•
HP ThinState			•	•
HP Easy Tools			•	•
HP Smart Zero Client Services		•		
Microsoft SCCM/EDM agent				•
Additional Components				
HP Velocity		•	•	•
HP Connection Manager			•	•
HP Universal Print Driver				•
Windows Media Player				12

	Smart Zero	ThinPro	WES 7E
Audio CODECs included			
MP3	•	•	•
WMA stereo	•	•	•
AAC stereo & HE AAC	•	•	
Microsoft AC3 encoder			•
Video CODECs included			
MPEG-1	•	•	
MPEG-4 part 2 (DivX, Xvid, H.263)	•	•	•
MPEG-4 part 10 (H.264, AVC)	•	•	•
WMV 7/8/9/ VC-1 & ASF Demuxer	•	•	•

Note: Other add-on software available (see: hp.com/support for latest list of available add-ons). Software performance and support may vary depending on customer environment and backend.
*Citrix provides two versions of Citrix Receiver, Standard (S) and Enterprise (E) for Windows Embedded Standard. Please go to Citrix.com for more info. Citrix Receiver and VMware Horizon client versions vary depending on operating systems.
**Customers will require volume licensing (VL) agreement with Microsoft to enable "Enterprise features". Availability: 2H2013.

Learn more
hp.com/go/thincomputing

1 Standard chassis offers AMD GX-217GA Dual-Core APU at 1.65 GHz with AMD Radeon HD 8280E graphics or AMD GX-415GA Quad-Core APU at 1.5 GHz with AMD Radeon HD 8330E graphics. PLUS chassis is available with AMD™ GX-420CA Quad-Core APU at 2.0 GHz with AMD Radeon HD 8400E graphics. Multi core processing with AMD technology is designed to improve performance of this system. Given the wide range of software applications available, performance will vary. AMD's numbering is not a measurement of clock speed.
2 Wi-Fi NIC, Mini PCIe SC Fiber NIC is an optional feature available factory-installed in some models. Not available for field installation.
3 Wireless access point and internet service required. Availability of public wireless access points limited.
4 The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the thin client to communicate with other 802.11ac WLAN devices.
5 DisplayPort 1.2 supports dual monitors up to 2560x1600 resolution. Optional VGA port factory configuration is available. Factory configuration with four-head monitor support for up to 2560 x 1600 resolution is available only on the PLUS chassis with the Displayport 1.1a. Additional cables are required.
6 Configurations of the HP t620 and HP t620 PLUS Flexible Thin Clients that are ENERGY STAR® qualified are identified on HP websites and on www.energystar.gov. EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.
7 Graphics chipset uses part of the total system memory for graphics performance. System memory dedicated to graphics performance is not available for other use by other programs. Minimum of 256 MB reserved for graphics.
8 Integrated AMD Radeon HD 8400E graphics chipset uses part of the total system memory for graphics performance. System memory dedicated to graphics performance is not available for other use by other programs. Minimum of 256 MB reserved for graphics. AMD FirePro 2270 graphics available as a factory-installed option in some models.
9 Factory-installed optional Fiber NIC available on some configurations.
10 Factory-installed optional ports available on some configurations.
11 External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen. Service levels and response times for HP Care Pack
12 Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. HP Care Pack Services extend service contracts beyond the standard warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at hp.com/go/cpc.

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