HP t620 Series 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 Thin Client

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 Radeon 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
Models available for any network environment, including copper or fiber optic wired networks or Wi-Fi connectivity via internally integrated antennas.[2,3,4]

Support up to quad digital displays at 2560 x 1600.[5] An optional VGA video output is available.

Expand your capabilities with the HP t620 PLUS, featuring a PCIe expansion slot.

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.

HP t620 PLUS Thin Client

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	Models available with a wide variety of operating systems including: HP ThinPro, HP's Smart Zero Core, Microsoft's Windows Embedded Standard 7E and 7P (32-bit or 64-bit versions), Microsoft's Windows Embedded 8 Standard (64-bit), Windows 10 IoT Enterprise (64-bit)[7].
Processor[1]	t620: 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) t620 PLUS: AMD GX-420CA quad- core APU with AMD Radeon HD 8400E graphics (2 GHz)
System memory[3,8]	Up to 16GB DDR3L-1600 SDRAM
Storage	Up to 128 GB flash memory based storage
Graphics[9]	t620: AMD Radeon HD 8280E; AMD Radeon HD 8330E t620 PLUS: AMD Radeon HD 8400E; AMD FirePro 2270 (optional)
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[2,3,4,10]	Integrated Gigabit Ethernet Network Interface (RJ-45) Allied Telesis Fiber Gigabit SC NIC (optional) Optional Broadcom 802.11 a/b/g/n Wi-Fi NIC with dual internal antennas Optional Broadcom 802.11 ac Wi-Fi NIC with dual internal antennas Optional Intel 7260 802.11 ac W-Fi NIC with dual internal antennas
Ports and connectors[11,14]	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 t620 PLUS: 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	t620 PLUS only: 1 half-height PCIe x16 (x4 channels)
Power	t620: 65W worldwide auto-sensing 100-240 VAC 50-60Hz surge-tolerant power supply t620 PLUS: 85W worldwide auto-sensing 100-240 VAC 50-60Hz surge-tolerant power supply
Environmental[6]	ENERGY STAR® qualified; EPEAT® registered rated; Low halogen[12]
Dimensions (WxDxH)	t620: (vertical orientation) With stand: 8.7 x 1.6 x 9.5 in (22x4x24 cm) t620 PLUS: (vertical orientation) With stand: 8.7 x 2.6 x 9.5 in (22 x 6.5 x 24 cm)
Weight	t620: t620 PLUS: With stand: 3 lbs (1.36 kg) With stand: 4.49 lbs (2.04 kg)
Warranty[13]	Limited three-year hardware warranty

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Host Environment	Protocol	Smart Zero	ThinPro	Windows Embedded Standard 7E	Windows Embedded Standard 7P	Windows Embedded 8 Standard	Windows 10 IoT Enterprise (64-bit)
Microsoft Remote Desktop Services	RemoteFX (RFX)	•	•	•	•	•	•
	RDP	•	•	•	•	•	•
Citrix	ICA	•	•	•	•	•	•
	HDX	•	•	•	•	•	•
VMware Horizon View	RDP	•	•	•	•	•	•
	PCoIP	•	•	•	•	•	•
Protocol Clients							
Citrix Receiver*		•	•	•	•	•	•
Microsoft Remote Desktop Client		•	•	•	•	•	•
VMware Horizon View Client*		•	•	•	•	•	•
HP Remote Graphics Software (HP RGS)		Via Add-On	Via Add-on	•	•	•	•
HP TeemTalk Terminal Emulator		•	•	Via Add-on	Via Add-on	Via Add-on	
Free RDP		•	•				
Browser Support							
Mozilla Firefox		•	•				
Internet Explorer				•	•	•	•
Security							
Smart Card		•	•	•	•	•	•
Logon Manager		•	•	•	•	•	•
Read Only Operating System		•	•	•	•	•	•
802.1x		•	•	•	•	•	•
Enhanced Write Filter (EWF)				•	•		
File-Based Write Filter (FBWF)				•	•		
Unified Write Filter (UWF)						•	•
Microsoft Firewall				•	•	•	•
Session brokers							
Citrix XenDesktop		•	•	•	•	•	•
VMware Horizon View		•	•	•	•	•	•
Management Tools							
HP Device Manager		•	•	•	•	•	•
HP ThinState		•	•	•	•	•	•
HP Easy Tools[15]		•	•	Via Add-on	Via Add-on	Via Add-on	
HP Smart Zero Client Services		•	•				
Microsoft SCCM/EDM agent				•	•	•	•

	Smart Zero	ThinPro	Windows Embedded Standard 7E	Windows Embedded Standard 7P	Windows Embedded 8 Standard	Windows 10 IoT Enterprise (64-bit)
Additional Components						
HP Velocity	•	•	•	•	•	•
Thinshell			•	•	•	•
HP Connection Manager		•	•	•	•	•
HP Universal Print Driver			•	•	•	•
Windows Media Player			•	•	•	•
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 energystar.gov. EPEAT® registered where applicable. EPEAT registration varies by country. See epeat.net for registration status by country.
7 Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See www.microsoft.com.
8 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.
9 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.
10 Factory-installed optional Fiber NIC available on some configurations.
11 Factory-installed optional ports available on some configurations.
12 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
13 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.
14 The devices connected at boot up or subsequently disconnected determine which video ports are enabled and which is disabled. If a VGA device is connected at boot up, then only one DisplayPort port may be used. If the VGA device is subsequently disconnected, then both DisplayPort ports are enabled. If a VGA device and one DisplayPort device are connected at boot up, then the other DisplayPort port is disabled. If the VGA device is subsequently disconnected, then that DisplayPort port is enabled. If two DisplayPort devices are connected at boot up, then the VGA port is disabled. If one or both DisplayPort devices are subsequently disconnected, the VGA port is enabled. Presence of an optional VGA or Fiber NIC port does not disable a DisplayPort port.
15 HP ThinPro and Smart Zero are installed with Easy Update. Upgrade is required for full Easy Tools Suite.