



HP t628 Thin Client

Connect and configure your deployment for current and future business and IT environments with the HP t628 Thin Client, which has a quad-core processor, broad legacy peripheral connectivity, support for dual displays², and customizable, expandable storage.²



No device upgrades required

- Keep the peripherals you know and trust and plan ahead with connections that include a parallel port, four serial ports, DVI-D and VGA video outputs, PS/2 for your keyboard and mouse, one front USB 3.0 and USB 2.0, and two rear USB 2.0 ports

Powerful performance

- Boost your productivity with the power of a 2.0 GHz Intel® quad-core processor¹. Multi-task on dual screens with native support for two displays² at 2840 x 1080 resolution through DVI-D and VGA outputs.

Transform your thin client experience and expand your storage

- Add an optional² 2.5-inch SATA hard disk drive for large local storage requirements, media player applications, educational content, and offline kiosk deployments.

Additional features

- Boot your operating system, whether it's the latest OS or your preferred legacy OS, from the network and eliminate the need for a disked or local version on the thin client.
- Customize your OS environment, setup and deploy remotely in just a few clicks, and boost network performance with HP Device Manager, HP Velocity, and HP Easy Shell.³
- Share your screen, video, and content, and instant message with globally dispersed colleagues with unified communications (UC) and audio and video that are encoded and decoded by the powerful Intel® quad-core processor.¹
- Go wired or wireless with the standard RJ-45 interface or optional Wi-Fi network adapter.²
- Choose the right OS for your environment: Windows Embedded 7, Windows 10 IoT Enterprise for Thin Clients⁴ or Linux®-based HP ThinPro and HP Smart Zero Core. Connect to your own ISV with Citrix®, VMware®, and Microsoft RDP/RFX protocol support.
- Rest easy with a three-year limited warranty and HP Care service options.⁵

HP t628 Thin Client Specifications Table



Available Operating Systems	Windows 10 IoT Enterprise for Thin Clients ¹ Windows Embedded Standard 7E 32 ² HP Thin Pro HP Smart Zero Core
Browser	Microsoft Internet Explorer 11 (for models with Windows 10 IoT Enterprise for Thin Clients and Windows Embedded Standard 7E); Mozilla Firefox 36 (for models with HP Thin Pro and HP Smart Zero Core)
Available Processors	Intel® Celeron® J1900 with Intel HD Graphics (2 GHz, up to 2.42 GHz with Intel Turbo Boost Technology, 2 MB cache, 4 cores) ³
Maximum Memory	up to 8 GB DDR3L-1333 SDRAM ^{4,5} (Transfer rates up to 1333 MT/s)
Memory Slots	1 SODIMM
Internal Storage	8 GB up to 64 GB MLC flash memory
Available Graphics	Integrated Intel HD Graphics ³
Audio	Internal amplified speaker system for basic audio playback. 3.5 mm headset socket (front access).
Display Support	All models include 1 DVI-D digital video output and 1 VGA analog video output supporting two displays up to 2840 x 1080 resolution.
Communications	LAN: Integrated Gigabit Ethernet; Wake on LAN (WOL); Preboot Execution Environment (PXE); Remote Program Load (RPL) WLAN: 802.11n Wi-Fi adapter (optional) ⁶
Protocols	Citrix ICA; Citrix HDX; Microsoft RDP; Microsoft RemoteFX (RFX); VMware® Horizon View™ through RDP; VMware® Horizon View™ through PCoIP (Protocols are dependent on operating system installed)
Input Devices	HP USB Standard Keyboard; HP PS/2 Standard Keyboard ; HP USB Mouse; HP PS/2 Mouse
Security	Security lock slot (cable lock sold separately); Power cord retention clip
Ports and Connectors	Front: 1 USB 3.0; 1 USB 2.0; 1 headset Back: 1 RJ-45; 2 USB 2.0; 1 DVI-D; 1 parallel; 1 VGA; 4 serial; 2 PS/2 (keyboard and mouse)
Dimensions	52.3 x 200 x 245 mm
Weight	1.35 kg Minimum configuration weight listed. Options and add-ins will increase weight.
Software	HP Device Manager; HP ThinUpdate; HP Easy Tools; HP Smart Zero Client Services; Microsoft SCCM/EDM Agent; HP Velocity
Power	45 W external, worldwide auto-sensing, 100-240 VAC, 50-60 Hz energy-saving automatic power-down, surge-tolerant
Environmental	Low halogen ⁸

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Accessories and services (sold separately)

**HP 5-year Next Business Day
Onsite Workstation Only
Hardware Support**



Receive 5 years of next business day onsite repair from an HP-qualified technician for your computing device, if the issue cannot be solved remotely. For more information on Care Pack services, please visit www.hp.com/go/cpc.

Product number: U7944E

Messaging Footnotes

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. Intel's numbering is not a measurement of higher performance.

² Sold separately.

³ HP Easy Shell is currently available on HP Thin Clients with a Windows Embedded OS.

⁴ 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 <http://www.microsoft.com>.

⁵ HP Care Packs are sold separately. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. HP Services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

Technical Specifications Footnotes

¹ 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 <http://www.microsoft.com>.

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⁴ 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.

⁵ If configured with a Windows Embedded 32-bit operating system, memory above 3.2 GB may not be available due to operating system limitations.

⁶ 802.11 is an optional or add-on feature. Use of WiFi module requires WiFi access point and Internet service. Availability of public WiFi access points is limited.

⁸ External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

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