

Datasheet

HP t420 Thin Client



The essential, affordable, cloud-ready thin client

Do more with the HP t420 Thin Client, an affordable cloud computing solution that delivers trustworthy reliability and easy deployment and use.



More bang for your buck

- Get your choice of essential operating systems, support for VoIP with Microsoft Lync¹ Unified Communications tools, and value-added integrated software from HP that helps you deploy, manage, and optimize your new systems.

Solid reliability

- Plan ahead with reliable flash memory storage and a fan-less design for ultra-quiet deployments. Choose a Global Series model and custom image to help ensure worldwide consistency. Rest easy with a two-year lifecycle and three-year limited warranty.

Place it where you need it

- Install throughout your business—the modern 0.88 liter form factor complements and fits into a range of compact work spaces, and the integrated VESA mount enables mounting on a flat surface, or directly behind an HP ProDisplay.²

Easy customization

- Tailor your installation with the OS of your choice—HP Thin Pro, HP Smart Zero, or Windows Embedded Standard 7E. Enjoy simplified setup, deployment, and maintenance with HP Device Manager, a software tool available exclusively for HP Thin Clients.

Additional features:

- Simplify your HP Thin Client Windows Embedded user experience with HP Easy Shell's customized interface and protection for targeted cloud control.²
- Pick the network connection technology that's best for you with Gigabit Ethernet and support for 802.11n Wi-Fi.^{3,4}
- Reduce power consumption and help lower your costs with an energy-efficient design.
- Enjoy your everyday Microsoft Lync productivity tools.¹
- Get right to work with the business-class USB keyboard and mouse.
- Select Windows Embedded Standard 7E, HP ThinPro or HP Smart Zero Technology.
- Let HP customize your thin clients with your choice of branding, applications, GUI, hardware compatibility, and more.⁵

HP t420 Thin Client Specifications Table



Available Operating System	Windows Embedded Standard 7E 32 HP ThinPro 32 HP Smart Zero Core 32
Browser	Mozilla Firefox 32 (for models with HP Smart Zero Core or HP ThinPro); Internet Explorer 10 (for models with Microsoft Windows Embedded 7E)
Available Processors¹	AMD Embedded G-Series GX-209JA SOC (1 GHz, 2 cores)
Maximum Memory	Up to 2 GB DDR3L SDRAM ² Standard memory note: Transfer rates up to 1066 MT/s
Internal Storage	up to 8 GB or 16 GB, MLC flash memory
Available Graphics	Graphics integrated on processor
Audio	3.5 mm stereo socket on front panel marked as a headset port. Supports OMTP and CTIA headsets. ⁴
Communications	Integrated Gigabit Ethernet
Protocols	Citrix Receiver; Microsoft RDP; VMware Horizon Client; HP TeemTalk Terminal Emulator; Free RDP (Protocols are dependent on operating system installed)
Input Device	HP USB Standard Keyboard; HP USB CCID Smartcard Keyboard ⁵ HP USB Optical Mouse ⁵
Ports and Connectors	2 USB 2.0; 1 headset
Dimensions	180 x 140 x 35 mm
Weight	0.74 kg (Weight will vary depending on configuration)
Power	45 W, worldwide auto-sensing, 100-240 VAC, 50-60 Hz, energy saving automatic power-down, surge tolerant external adapter
Environmental	Low halogen ⁷
Energy Efficiency Compliance	ENERGY STAR [®] certified and EPEAT [®] Gold registered ⁶

HP t420 Thin Client

Accessories and services (not included)

HP 5 year Next business day
Exchange Thin Client Only
Service



HP provides quick replacement of your failed hardware unit the day after it goes down, if the problem can't be resolved remotely.

Product number: U7929E

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Messaging Footnotes

¹ Microsoft Lync for VDI 2013 plug-in recommended with Windows Embedded Standard. Citrix HDX RealTime Optimization Pack for Microsoft Lync is recommended with HP ThinPro and Smart Zero. All Unified Communications solutions are licensed, distributed, and supported by Unified Communication providers. Microsoft Lync for VDI is distributed by Microsoft Corporation. Citrix HDX RealTime Optimization Pack for Microsoft Lync is distributed by Citrix Systems, Inc.

² Each sold separately.

³ Optional feature sold separately or as add-on feature.

⁴ Wireless access point and internet service required. Availability of public wireless access points limited.

⁵ Minimum purchase required. See product QuickSpecs for exact details.

Technical specifications disclaimers

¹ Multi-core processing available with AMD technology is designed to improve performance of this system. Given the wide range of software applications available, performance will vary.

² Graphics chipset uses part of the total system memory (RAM) for graphics performance. System memory dedicated to graphics performance is not available for other use by other programs.

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

⁴ This product does not include an internal PC speaker. All audio must be produced using peripheral devices, i.e. headsets, headphones, speakers, connected to the system through the 3.5 mm headset jack.

⁵ Optional or add-on feature

⁶ EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.

⁷ External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

⁸ HP ThinUpdate available as an add-on only for configurations using Windows Embedded operating systems.

Learn more at

www.hp.eu/thinclients

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