

## Datasheet

# HP t820 Flexible Thin Client



## Smart design. Smarter performance.

HP's most powerful thin client is the full-featured solution to boost efficiency and performance. Get a responsive, smooth desktop experience from a superfast processor. Robust security options deliver superior data protection. Enable cost-effective, remote IT management – and simplify deployments – with the flexibility of a multi-protocol environment. Multiple monitors expand multitasking.



### Fast or faster – your choice.

- Propel performance with powerhouse processing. Work smoother and quicker, with two superfast CPUs to choose from – and brilliant, seamless graphics.<sup>1</sup>
- Count on powerful performance fast enough for the most demanding applications – the Intel® Core™ i5 processor delivers accelerated graphic rendering and multimedia.<sup>2</sup>
- When demanding applications need strong performance and a seamless multimedia experience choose the Intel® Pentium® processor.<sup>2</sup>

### Keep business classified.

- Keep your business data safe – lock down sensitive information and meet compliance standards with robust encryption and security options, including fiber NIC, TPM, and Intel® vPro™ technology.

### The versatility of virtual.

- Give IT the advantage of flexibility with a multi-protocol environment. Simplify deployment and manageability – and enable a seamless desktop experience – with the versatility of client virtualization.
- Improve network performance and the end-user experience with HP Velocity software.
- Count on a seamless IT experience with the flexibility of a multi-protocol environment – Citrix, Microsoft, VMware or HP Remote Graphics Software.

### Business productivity.

- Outstanding multitasking efficiency. Enterprise-class monitor support of up to three Full HD monitors (1920 x 1200), or two 30-inch diagonal monitors (2560 x 1600).<sup>4</sup>
- Don't stop with the thin client. Create a complete solution that's supported by HP. Choose from a full suite of HP displays, accessories, and software.
- Realize real savings while reducing operating expenses. From less downtime and fewer automatic updates to decreased hardware and operating costs – it adds up to a lower total cost of ownership.

### Manageability.

- Make it simple to consolidate configurations and speed up deployments with HP Easy Tools – the solution to get new locations up and running even faster.
- Simplify remote device management – empower IT staff to make the most of their resources. Remotely control thousands of thin client devices to help reduce the need for hardware and software maintenance and upgrades.

### Supported by HP.

- Choose from HP Care Pack Services to extend protection beyond your standard warranties. For more details visit <http://www.hp.com/go/lookuptool>.<sup>3</sup>

## HP t820 Flexible Thin Client Specifications Table



<b>Available Operating System</b>	Windows Embedded 8 Standard 64 Windows Embedded Standard 7E 32 Windows Embedded Standard 7P 64
<b>Browser</b>	Microsoft Internet Explorer 10 (for models with Windows Embedded 8 Standard, Windows Embedded Standard 7P or Windows Embedded Standard 7E)
<b>Available Processors</b>	Intel® Core™ i7-4770S with Intel HD Graphics 4600 (3.1 GHz, up to 3.9 GHz with Intel Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Core™ i5-4570S with Intel HD Graphics 4600 (2.9 GHz, up to 3.6 GHz with Intel Turbo Boost Technology, 6 MB cache, 4 cores); Intel® Pentium® G3240 with Intel HD Graphics (3.1 GHz, 3 MB cache, 2 cores); Intel® Pentium® G3220 with Intel HD Graphics (3 GHz, 3 MB cache, 2 cores)
<b>Maximum Memory</b>	Up to 16 GB DDR3-1600 SDRAM
<b>Internal Storage</b>	16 GB, up to 32 GB, MLC flash memory
<b>Available Graphics</b>	Integrated Intel® HD Graphics; Integrated Intel® HD Graphics 4600; AMD Radeon HD 7650A (2 GB - MXM) optional
<b>Audio</b>	HD audio with Realtek ALC221 codec (all ports are stereo); Multi-streaming capable; Internal speaker
<b>Communications</b>	Intel Centrino Advanced-N 6205 802.11 a/b/g/n PCIe mini-card wireless network connection (optional) Intel I217LM Gigabit Ethernet network connection (Either the integrated or the wireless network connection is required to support Intel vPro Technology features.)
<b>Protocols</b>	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)
<b>Ports and Connectors</b>	4 USB 3.0; 6 USB 2.0; 2 PS/2; 1 VGA; 2 DisplayPort; 1 microphone; 1 headphone; 1 audio in; 1 audio out; 1 RJ-45 (When configured with an Intel® Pentium® processor, only two of the available video output ports are active)
<b>Dimensions</b>	25.2 x 25.4 x 6.6 cm (without stand)
<b>Weight</b>	3.1 kg (without stand)
<b>Power</b>	135 W 87% efficient, active PFC (for integrated graphics); 180 W 87% efficient, active PFC (for discrete graphics)
<b>Environmental</b>	Low halogen
<b>Energy Efficiency Compliance</b>	ENERGY STAR® certified and EPEAT® registered configurations available <sup>2</sup>
<b>Warranty</b>	3-year limited warranty including 3 years of parts and labour. Terms and conditions vary by country.

## HP t820 Flexible Thin Client

### Accessories and services (not included)

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#### HP USB SmartCard CCID Keyboard



Add an extra layer of security at the point of data entry with the HP USB SmartCard CCID Keyboard, which includes an integrated smart card reader to help simplify access procedures and prevent unauthorized access to your PCs and networks.

**Product number: E6D77AA**

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#### HP Integrated Work Center Stand for Ultra Slim Desktop and Thin Client



The HP Integrated Work Center Stand is designed to help maximize the use of limited desk space without compromising performance or productivity by accommodating an HP Compaq 6005 Pro, or 8000 Series HP Ultra-slim Desktop PC or an HP Thin Client and most HP 17 to 24-inch (43.18 to 60.96 cm) diagonal LCD monitors (please refer to compatibility in the Quick Spec) with VESA standard mounting brackets.

**Product number: E8H16AA**

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#### HP Ultralim Keyed Cable Lock



Secure your HP Ultrabook™ or laptop PC quickly and easily with the HP Ultralim Keyed Cable Lock.

**Product number: H4D73AA**

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#### 5-year next business day exchange



HP provides quick replacement of your failed hardware unit the day after it goes down, if the problem can't be resolved remotely, for 5 years

**Product number: U0VE1E**

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Learn more at  
[www.hp.eu/hpoptions](http://www.hp.eu/hpoptions)

## HP t820 Flexible Thin Client

### Messaging Footnotes

<sup>1</sup> The HP t820 platform ships with the Intel® Core™ i5 processor included; please contact the HP account manager on Intel® Pentium® processor availability.

<sup>2</sup> Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. 64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers, and applications enabled for Intel 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.

<sup>3</sup> HP Care Pack Services are sold separately. Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. See [www.hp.com/go/cpc](http://www.hp.com/go/cpc) for details.

<sup>4</sup> The HP t820 Flexible Thin Client is factory equipped to simultaneously support up to three monitors when configured with an Intel Core i5 CPU and utilizing the on-board Intel® HD 4600 Graphics card with 1 x VGA and 2 x DisplayPort connectors.

### Technical specifications disclaimers

<sup>1</sup> Software availability varies by thin client configuration and operating system.

<sup>2</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country.

### Learn more at

[www.hp.eu/thinclients](http://www.hp.eu/thinclients)

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