



# HP t510 Flexible Thin Client

Clever, powerful, simple

A feature rich thin client with significant performance, smart design and easy set-up to support and protect your virtualized environments.



## A Windows-friendly PC performance, with a punch

Built with dual-core processors<sup>1</sup>, the HP t510 Thin Client helps your business create smart, simplified client virtualization desktops with powerful, PC-like deployment. With 2GB DDR3 1066 MHz RAM memory capacity<sup>2</sup>, this impressive multimedia solution delivers a more robust, dependable thin client experience.

The HP t510 maintains Microsoft® Windows® Embedded Standard 7, Microsoft® Windows® Embedded Standard 2009, HP ThinPro operating systems as well as configuration supporting the new HP Smart Zero Technology Service. Combined with today's familiar software, the latest protocol support, firewall protection and full-featured browser – the HP t510 is ideal for maintaining your virtualized computing environments.

## Connectivity, flexibility, productivity and security

Connect to the display technologies your business uses the most with native dual-digital monitor support or the integrated DVI-I to VGA adapter. The HP t510 also comes standard with 6 USB 2.0 ports (two are located in a secure USB compartment), a serial port, parallel port and power cord retention slot.

Sustain wireless connectivity anywhere your network reaches with enterprise-ready integrated Wi-Fi<sup>3</sup> models. The thin and sleek profile compliments work spaces without sacrificing space, and easily mounts on a wall or monitor with HP QuickRelease<sup>4</sup>.

Store critical data and applications on a secure,

centralized server. Control access permissions with local user and administrative logins, or implement Smart Cards for added security. You can also use industry-leading connection brokers with the HP t510 for quick and easy access to a variety of virtual desktop solutions.

## Easy Setup and Management

With HP Easy Tools, a new wizard-based set of utilities, you can connect to a wide variety of remote applications and desktops with ease, including Microsoft, Citrix, and VMware. The HP t510 provides an improved end-user performance, backed by the industry-standard reliability and design of HP Thin Client products.

The WES 7-based HP t510 thin client allows administrators to simplify deployments and manage thin clients with Microsoft® System Center Configuration Manager. Now, with the newly released HP Imaging Plug-In for Microsoft Windows Embedded Device Manager 2011, customers can easily manage HP's WES 7 based thin client.

## HP service and dependability

Create a thin computing solution that improves your IT and user experience with easy setup, easy manageability and now – easy maintenance. HP Thin Clients are backed by HP global service and support through our network of over 50,000 IT professionals in over 100 countries. With the HP t510 Thin Client, you can select from a range of HP Care Pack<sup>5</sup> Services for support beyond standard warranties.



# HP t510 Flexible Thin Client

## HARDWARE SPECIFICATIONS

<b>Operating Systems</b>	Preinstalled with HP ThinPro, HP Smart Zero Technology, Microsoft® Windows® Embedded Standard 7 or Microsoft® Windows® Embedded Standard 2009 depending on configuration	
<b>Processor<sup>1</sup></b>	VIA Eden X2 U4200 (1 GHz, 2 cores); VIA VX900 chipset	
<b>System memory<sup>2</sup></b>	2 GB DDR3 1066 MHz	
<b>Flash memory<sup>6</sup></b>	1 GB for configurations using HP Thin Pro or HP Smart Zero Technology. 2 GB for configurations using Microsoft® Windows® Embedded Standard 2009 4 GB for configurations using Microsoft® Windows® Embedded Standard 7 <sup>7</sup>	
<b>Graphics</b>	VIA ChromotionHD 2.0 Integrated Graphics Processor	
<b>Monitor support</b>	Built in dual monitor support (DVI-I and DVI-D native, with DVI-I-to-VGA adapter included in packaging)	
<b>Audio</b>	Internal amplified speaker, 1/8-inch mini jack out, full 16-bit stereo, 44kHz sample rate, 1/8-inch mini jack microphone in	
<b>Communications<sup>3</sup></b>	10/100/1000 Gigabit Ethernet Atheros 802.11a/b/g/n WIFI adapter on select models	
<b>Ports and connectors</b>	6 USB 2.0 (two in front, two in rear, two in secure USB compartment); 1 Serial; 1 Parallel; 2 PS/2; 1 RJ-45; 1 DVI-I; 1 DVI-D; 1 DVI-I to VGA adapter included in carton	
<b>Input devices</b>	Standard keyboard and 2-button optical scroll mouse included (USB or PS/2)	
<b>Power</b>	65 W worldwide auto-sensing 100-240 VAC, 50-60 Hz; energy-saving automatic power-down; surge tolerant	
<b>Dimensions (WxDxH)</b>	<u>With stand:</u> 2.3 x 8.5 x 8.65 in (5.84 x 21.5 x 21.9 cm)	<u>Without stand:</u> 2.3 x 8.5 x 8.25 in (5.84 x 21.5 x 20.9 cm)
<b>Weight</b>	<u>With stand:</u> 3 lbs (1.36 kg)	<u>Without stand:</u> 3.2 lbs (1.45 kg)
<b>Warranty</b>	HP Total Care Warranty and Services: limited three-year hardware warranty in most regions. HP Care Pack Services <sup>5</sup> extend service contracts beyond your standard warranties. For more details visit <a href="http://www.hp.com/go/lookuptool">http://www.hp.com/go/lookuptool</a> .	



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## SOFTWARE SPECIFICATIONS

SPECIFICATIONS	Windows Embedded Standard 7	Windows Embedded Standard 2009	HP ThinPro	HP Smart Zero Technology
<b><u>Client Protocol Support</u></b>				
Citrix ICA HDX MediaStream	•	•	•	•
VMware View 5.0 PCoIP RDP	• •	• •	•	•
Microsoft RDP/RFX	RDP 7.1 / RFX	RDP 7.0	rdesktop 1.6	rdesktop 1.6
VDI brokers	•	•	•	•
HP Remote Graphics Software	•			
<b><u>Applications</u></b>				
HP TeamTalk Terminal Emulation	•	•	•	
Local browser	Full Internet Explorer		Firefox Web Browser	
Media player	•	•		
PDF Reader	Adobe Acrobat Add-on		•	
ThinPrint .print client (TCP/IP)	Available directly from vendor		•	
Terminal emulation	•	•	•	
X Windows (X11R6)			•	
Java Virtual Machine	Add-on			
API compatibility	Win32		Ubuntu Linux	
<b><u>Security</u></b>				
File protection	Enhanced Write filter or File-based Write Filter		Read only file system	Firmware downloaded at boot
Locked configuration/accounts	•	•	•	Configuration downloaded at boot
Firewall	Microsoft Firewall add- on	Symantec Endpoint Protection		
Smart Card support	•	•	•	•
<b><u>Management</u></b>				
HP Device Manager	•	•	•	•
HP Easy Tools	•	•	•	



## HP t510 Thin Client

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1. Dual core processing is designed to improve performance of this system. Given the wide range of SW applications available, performance will vary.
2. Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows and Linux 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.
3. Wireless access point and Internet service is required and is not included. Wireless features, performance and support may vary depending on environmental variables such placement, settings and firmware of your access points. Please contact your wireless vendor for support of your wireless environment.
4. Optional accessories sold separately.
5. 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. 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 [www.hp.com/go/lookuptool](http://www.hp.com/go/lookuptool). Additional HP Care Pack Services information by product is available at [www.hp.com/hps/carepack](http://www.hp.com/hps/carepack).
6. Should not be used with PCIe/PCI Expansion Module. The secondary storage drive is not supported as a primary boot drive for the thin client OS image or in a hardware or software RAID configuration. Remote Management tools may manage content on the secondary storage drive, but cannot be used to install the thin client OS image onto this drive. Additional HP OS Image tools including but not limited to ThinState Capture, RAMDisk Manager, and the write filters will not function or support the secondary storage drive. Page files are not supported in a primary or secondary drive environment.