

# HP t510 Flexible Thin Client



Clever, powerful, simple



## 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, Microsoft Windows Embedded CE 6.0, 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 workspaces 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.

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

## Easy set up and management



With HP Easy Tools, a new wizard-based set of utilities for t510 running ThinPro, you can connect to a wide variety of remote applications and desktops with ease, including Microsoft, Citrix, and VMware. Similarly, for t510 running Smart Zero Core, the Smart Client Services provide the for “set up once and apply to many” that simplifies the configuration. With the Smart Client Services, you can also configure t510 running Smart Zero Technology to detect and install new software updates. 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 HP Imaging Plug-In for Microsoft Windows Embedded Device Manager 2011, customers can easily manage HP's WES 7 based thin client.

## HP Velocity for your network

Prevent poor network connectivity in densely populated work environments with integrated HP Velocity, a new HP feature. As network conditions change, HP Velocity reacts to maintain the highest quality multimedia performance and remote protocol user experience.

## HP service and eco-design

HP Thin Clients are backed by HP global service and support through our network of over 50,000 IT professionals. Select from a range of HP Care Pack5 Services for support beyond standard warranties. The HP t510 Flexible Thin Client is ENERGY STAR® qualified with EPEAT® Gold registered<sup>7</sup>—saving you energy and reducing your environmental impact over time.

## HP t510 Flexible Thin Client

Hardware Specifications	
Operating systems	Preinstalled with HP ThinPro, HP Smart Zero Technology, Microsoft Windows Embedded Standard 7, Microsoft Windows Embedded Standard 2009 or Microsoft Windows Embedded CE 6.0 depending on configuration
Processor <sup>1</sup>	VIA Eden X2 U4200 (1 GHz, 2 cores); VIA VX900 chipset
System memory <sup>7</sup>	2 GB DDR3 1066 MHz
Flash memory <sup>6</sup>	1 GB for configurations using HP Thin Pro or HP Smart Zero Technology. 1 GB for configurations using Microsoft Windows Embedded CE 6.0 2 GB for configurations using Microsoft Windows Embedded Standard 2009 16 GB for configurations using Microsoft Windows Embedded Standard 7 <sup>7</sup>
Graphics	VIA Chromotion HD 2.0 Integrated Graphics Processor
Monitor support	Built in dual monitor support (DVI-I and DVI-D native, with DVI-I-to-VGA adapter included in packaging)
Audio	Internal amplified speaker, 1/8-inch mini jack out, full 16-bit stereo, 44kHz sample rate, 1/8-inch mini jack microphone in
Communications <sup>3</sup>	10/100/1000 Gigabit Ethernet Broadcom 802.11a/b/g/n WIFI adapter on select models
Ports and connectors	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
Input devices	Standard keyboard and 2-button optical scroll mouse included (USB or PS/2)
Power	65 W worldwide auto-sensing 100-240 VAC, 50-60 Hz; energy-saving automatic power-down; surge tolerant
Environmental	Energy Star <sup>®</sup> qualified and EPEAT <sup>®</sup> Gold registered where applicable/supported. See <a href="http://epeat.net">epeat.net</a> for registration status by country.
Dimensions (WxDxH)	With stand: 2.3 x 8.5 x 8.65 in (5.84 x 21.5 x 21.9 cm) Without stand: 2.3 x 8.5 x 8.25 in (5.84 x 21.5 x 20.9 cm)
Weight	With stand: 3.3 lbs (1.49 kg) Without stand: 3.2 lbs (1.45 kg)
Warranty	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://hp.com/go/lookuptool">hp.com/go/lookuptool</a>

## HP t510 Flexible Thin Client

Software specifications	Windows Embedded Standard 7	Windows Embedded CE 6.0	Windows Embedded Standard 2009	HP ThinPro	HP Smart Zero Technology
<b>Client protocol support</b>					
Citrix ICA HDX MediaStream	•	•	•	•	•
VMware Horizon 5.0	•		•	•	•
PCoIP	•		•	•	•
RDP	•	•	•	•	•
Microsoft RDP/RFX	RDP 8.0 / RFX	Free RDP support for RDP 6.0/RFX	RDP 7.0	FreeRDP support for RDP 7.1/RFX	Free RDP support for RDP 7.1/RFX
VDI brokers	•	•	•	•	•
HP Remote Graphics Software				•	
<b>Applications</b>					
HP TeamTalk Terminal Emulation	•	•	•	•	•
Local browser	Microsoft Internet Explorer 9	•	IE 8	15.0	
Media player	•	•	•		
PDF Reader	•		Adobe Acrobat Add-on	•	
ThinPrint .print client (TCP/IP)	Available directly from vendor		Available directly from vendor	•	
Terminal emulation	•	•	•	•	
X Windows (X11R6)				•	
API compatibility	Win32		Win32	Ubuntu Linux	
<b>Security</b>					
File protection	Enhanced Write filter or File-based Write Filter		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	Microsoft Firewall	Microsoft Firewall		
<b>Management</b>					
HP Device Manager	•	•	•	•	•
HP Easy Tools	•	•	•	•	

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 geo-graphic 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](http://hp.com/go/lookuptool). Additional HP Care Pack Services information by product is available at [hp.com/hps/carepack](http://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.
7. EPEAT® Gold where HP registers commercial desktop products. See [epeat.net](http://epeat.net) for registration status in your country.

**For more information visit**  
[hp.com/go/thincomputing](http://hp.com/go/thincomputing)

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