Data sheet

HP t510 Flexible Thin Client

Windows-friendly PC performance, with a punch

The HP t510 Thin Client helps your business create smart, simplified client virtualization desktops with powerful, PC-like deployment. Powered by a dual-core processor[1] coupled with up to 4GBs of DDR3-1066 SDRAM[2], this impressive multimedia solution delivers a robust, dependable thin client experience.

The HP t510 maintains Windows Embedded Standard 7E, Windows Embedded Standard 2009, Windows Embedded CE 6.0, and HP ThinPro operating systems as well as configurations 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[3] models. The thin and sleek profile compliments workspaces without sacrificing space, and easily mounts on a wall or monitor with HP QuickRelease[4].

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.

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

Easy set up and management

Make it easy to deploy, manage, and maintain your install base with HP Device Manager, a software tool available exclusively for HP Thin Clients.

With HP Easy Tools, a wizard-based set of utilities for HP thin clients running HP ThinPro, you can connect to a wide variety of remote applications and desktops with ease, including Microsoft, Citrix, and VMware Horizon View. Similarly, for HP thin clients running HP Smart Zero Technology, the Smart Client Services provide "set up once and apply to many" that simplifies the configuration.

An easy mechanism for automatically configuring new Smart Zero clients when connecting to the network: Just set up once and apply that setup to all. With the Smart Client Services, you can also configure HP thin clients to detect and install new software updates.

The Windows Embedded-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 Windows Embedded-based thin client.

HP Velocity for your network

Improve network performance and the end-user experience with HP Velocity software, which optimizes network traffic for remote desktops and application streaming, IDs and fixes bottlenecks, and simplifies IT troubleshooting. For more information, visit hp.com/go/velocity.

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 Pack[5] Services for support beyond standard warranties. The HP t510 Flexible Thin Client is ENERGY STAR® qualified with EPEAT® Gold registered[7]—saving you energy and reducing your environmental impact over time.

HP t510 Flexible Thin Client

Hardware specification		
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[1]	VIA Eden X2 U4200 (1 GHz, 2 cores); VIA VX900 chipset	
System memory[7]	2 GB DDR3 1066, 4GB availability	
Flash memory[6]	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 8 GB for configurations using Microsoft Windows Embedded Standard 7[7]	
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[3]	Gigabit Ethernet Broadcom 802.11a/b/g/n Wi-Fi 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[5]	ENERGY STAR® qualified and EPEAT® Gold registered[5] where applicable/supported. See epeat.net 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[4]	HP Total Care Warranty and Services: limited three-year hardware warranty in most regions. Optional HP Care Pack Services[4] extends service contracts beyond your standard warranties. For more details visit hp.com/go/lookuptool.	

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Software specifications		Windows Embedded Standard 7E	Windows Embedded CE 6.0	Windows Embedded Standard 2009	HP ThinPro	HP Smart Zero Technology
Host Environment	**Protocol**					
Microsoft Remote Desktop Services	RemoteFX (RFX)	•	•	•		
	RDP	•	•	•	•	•
Citrix	ICA	•		•	•	•
	HDX	•	•	•	•	
VMware Horizon View	RDP	•	•	•	•	•
	PCoIP	•	•	•	•	
Protocol Clients						
Citrix Receiver		12.1.5	12.1.5	4.1	3.3 (E)	10
Citrix Online Plugin		12.1.5	12.1.5	13.3	13.3	10
Microsoft Remote Desktop Client				8	7	6
VMware Horizon View Client		1.7	1.7	CART 2.3	5.2	4.6 via VDM
HP TeemTalk Terminal Emulator			7.3	7.3	7.3	6.0
Free RDP		1.0	1.0			
Browser Support						
Mozilla Firefox		•	•			
Internet Explorer				•	•	•
Security						
Smart Card		•	•	•	•	•
Logon Manager				•	•	•
Read Only Operating System				•	•	•
802.1x		•	•	•	•	Via add-on
Enhanced Write Filter and File-Based Write Filter				•	•	
Microsoft Firewall				•	•	
Session brokers						
Citrix XenDesktop		•	•	•	•	•
VMware Horizon View		1.7	1.7	5.2	5.2	4.6 via VDM
Leostream Desktop Connection broker (available from vender website)				from vender site		
Management Tools						
HP Device Manager		•	•	•	•	•
HP ThinState			•	•	•	•
HP Easy Tools			•	•	•	•
HP ThinShell				2.0		
HP Smart Client Services		•				
Microsoft SCCM/EDM agent				•		
Additional Components						
HP Velocity		•	•	•	•	
HP Connections Manager			•	•	•	•

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. Additional HP Care Pack Services information by product is available at 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 for registration status in your country.

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