



## HP t410 Smart Zero Client

Zero management. Zero configuration. Zero

An intuitive thin client built for virtualization environments that demand PC-like performance, flexible protocol support and zero



t410 Smart Zero Client, including 4 USB 2.0

ports, a microphone port, headphone port, RJ-45 NIC Ethernet interface and an HP power cord retention slot. Why sacrifice the space? Easily attach the HP t410 Smart Zero Client behind a monitor or on a wall with VESA mounting<sup>3</sup> compatibility.

### PC performance, innovative architecture

Create a smart client virtualization environment with strong, PC-like deployment and dependability. Built with a high-performance, Texas Instruments TMS320DM8148 ARM<sup>®</sup> Cortex™ processor, with 1GB DDR3 SDRAM and 2GB eMMC Flash memory capacity, the HP t410 Smart Zero Client delivers impressive multimedia graphics and a robust thin client solution for your business.

Maintain a full Microsoft<sup>®</sup> Windows<sup>®</sup> experience with compatible server operating systems and the latest in protocol support. Featuring DSP Acceleration for RemoteFX, PCoIP and ARM<sup>®</sup> Neon extensions for Citrix HDX System on a Chip (SoC), the HP t410 Smart Zero Client enables a more versatile and dynamic PC-like user experience.

### Connectivity inspired by productivity

Expand screen real-estate with native dual-digital monitor support, or connect to an analog monitor using the included DVI-I to VGA adapter. The HP t410 Smart Zero Client will drive single or dual displays up to 1920x1080<sup>1</sup> for Full HD<sup>2</sup> imagery. You'll find standard ports and configurations on the HP

### HP Smart Zero Technology

HP Smart Zero Technology intelligence is automatically inherited from the pre-configured host server. Simply connect your HP t410 Smart Zero Client to your network and user monitor, and you're ready. The thin client installation wizard will search for the right Microsoft<sup>®</sup>, Citrix or VMware client infrastructure and establish a secure desktop environment for all devices in minutes.

Reduce IT hassles for a more efficient, client virtualization deployment. Expect no-touch management every time you boot with intuitive technology that acclimates to its environment, even when your software changes. HP Smart Zero Clients will also change with you. Simply repurpose your HP t410 for another protocol – saving you time, and money.

## **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 dependable, environmentally aware**

The HP t410 Smart Zero Client is backed by HP global service and support through our network of over 50,000 IT professionals, and includes a standard, three-year limited warranty. Select from a range of HP Care Pack<sup>4</sup> Services for additional support. The HP t410 Smart Zero Client is ENERGY STAR<sup>®</sup> qualified, EPEAT<sup>®</sup> Gold registered<sup>5</sup> and BFR/PVC free<sup>6</sup> – saving you energy and reducing your eco-impact over time.



# HP t410 Smart Zero Client

## Hardware Specifications

<b>Operating Systems</b>	HP Smart Zero Core
<b>Processor</b>	Texas Instruments TMS320DM8148 ARM® Cortex™-A8 (1 GHz, 256 KB L2 cache, 1 core)
<b>System memory</b>	1 GB DDR3 400 MHz SDRAM
<b>Flash memory</b>	2 GB eMMC
<b>Protocols</b>	Citrix ICA 12 with HDX; RDP 7.1 with RemoteFX; VMware View with RDP; Teradici Optimized PCoIP
<b>Monitor support</b>	Supports up to 2 displays; 1 VGA, 1 DisplayPort 1.1a with resolutions up to 1920x1080 for single or dual displays. Actual performance and resolutions available will vary depending on client virtualization protocol being used and content being displayed. CRT displays with resolutions greater than 1600x1200 (60Hz) are not compatible with the HP t410 Smart Zero
<b>Audio</b>	Internal piezo-electric stereo speaker, 1/8" mini jack out, 1/8" mini jack microphone in Full 16, 20, 24 or 32-bit stereo, 96kHz sample rate
<b>Communications<sup>7</sup></b>	10/100/1000 Gigabit Ethernet (RJ-45), Wake on LAN (WOL), TCP/IP with DNS and DHCP, iL2TP
<b>Ports and connectors</b>	4 USB 2.0 (two in front, two in rear), 1 microphone, 1 headphone, 1 RJ-45, 1 power connector
<b>Input devices</b>	Standard keyboard and 2-button optical scroll mouse included (USB)
<b>Power</b>	24 W AC adapter (12V DC), Worldwide auto-sensing 100-240 VAC, 50-60 Hz
<b>Environmental</b>	ENERGY STAR® qualified and EPEAT® Gold registered <sup>5</sup> where applicable/supported. See <a href="http://www.epeat.net">http://www.epeat.net</a> for registration status by country.
<b>Dimensions (WxDxH)</b>	7.28 x 5.83 x 1.28 in (14.8 x 18.5 x 3.2 cm)
<b>Weight</b>	1.4 lbs (.638 kg)
<b>Warranty</b>	HP Total Care Warranty and Services: limited three-year hardware warranty in most regions. HP Care Pack Services <sup>4</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> .



# HP t410 Smart Zero Client

SOFTWARE SPECIFICATIONS				
Specifications	Windows Embedded Standard 7	Windows Embedded Standard 2009	HP ThinPro	HP Smart Zero Technology
<b>Client Protocol Support</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>Applications</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>Security</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>Management</b>				
HP Device Manager	•	•	•	•
HP Easy Tools	•	•	•	



## HP t410 Smart Zero Client

---

1. Actual performance and resolutions available will vary depending on client virtualization protocol being used and content being displayed. CRT displays with resolutions greater than 1600x1200 (60Hz) are not compatible with the HP t410 Smart Zero Client.
2. HD (high-definition) content required to view HD images.
3. Mounting hardware sold separately.
4. 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).
5. EPEAT® Gold where HP registers commercial desktop products. See [www.epeat.net](http://www.epeat.net) for registration status in your country.
6. Meeting the industry definition of 'BFR/PVC-free' per the iNEMI Position Statement on "Low Halogen" Electronics. Plastic parts incorporated into the chassis generally contain < 1000 ppm (0.1%) of bromine or chlorine. Printed circuit board and substrate laminates generally contain < 1500 ppm (0.15%) of total bromine and chlorine. Service parts after purchase may not be BFR/PVC-free. Power supply, power cords, keyboard, mouse, and DVI-to-VGA adapter are not BFR/PVC free.
7. 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.

© Copyright 2012. Hewlett-Packard Development Company, L.P.

The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Bluetooth is a trademark of its proprietor and used by Hewlett-Packard Company under license. Microsoft, Windows, and the Windows Logo are U.S. registered trademarks of Microsoft Corporation. Intel, the Intel logo, Intel Core and Core Inside are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. ENERGY STAR is a registered mark owned by the U.S. Government. Adobe and Acrobat are trademarks of Adobe Systems Incorporated. Java is a registered trademark of Oracle and/or its affiliates. To learn more visit [www.hp.com](http://www.hp.com) April 2012