



News Advisory

HP Unveils Industry's Most Energy-efficient All-in-One Zero Client

Features new HP innovative technology powered by one wire

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PALO ALTO, Calif., May 9, 2012 — HP today announced the HP t410 All-in-One (AiO) Smart Zero Client, a powerful new zero client that operates within 13 watts of power envelope over Power over Ethernet (PoE)⁽¹⁾ while still providing outstanding multimedia performance and a true PC-like experience.

The HP t410 AiO is being shown this week at Citrix Synergy 2012 in San Francisco.

The HP t410 AiO combines an 18.5-inch display and a high-performing smart zero client in one space-saving unit. The device features innovative new one-wire PoE technology that offers customers a cleaner, more reliable power source, while requiring less cabling and set-up time.

“Our new HP t410 AiO Smart Zero Client gives our customers the PC-like performance they expect, in a space-saving, energy-efficient design,” said Jeff Groudan, director, Marketing, Thin Clients, HP. “The HP t410 AiO allows customers to save energy with a flexible, reprogrammable architecture while also receiving an exceptional desktop experience.”

The HP t410 AiO's future-proofed architecture and energy-efficiency features make it ideal for call centers, education, healthcare and manufacturing industries, and relief agencies involved in disaster recovery.

High-performance rich user experience

The HP AiO t410 delivers a rich, multimedia computing experience thanks to protocol accelerator technology that is based on ARM® processor technology and a System-on-Chip (SoC) design. An integrated Digital Signal Processor accelerates processing of protocols and enhances multimedia performance, enabling full-screen high-definition (HD)⁽²⁾ video, rich media and complex graphical content.

The HP t410 AiO supports the Citrix HDX Ready System-on-Chip (SOC) initiative, which features technology that embeds HDX capabilities into smart zero clients, allowing them to deliver an HD desktop virtualization experience⁽²⁾ to end users with XenDesktop®, Citrix XenApp™ and Citrix VDI-in-a-Box™.

“The HP t410 AiO with innovative technology powered by one wire effectively supports a key goal of our HDX SoC initiative to allow partners to deliver game-changing new device types for the consumption of desktop virtualization,” said Bharath Rangarajan, group director, Product Management, Receiver and Gateways Group, Citrix. “HP has delivered a computing experience with no trade-offs in performance in this energy-efficient, yet powerful all-in one design.”

Exceptional screen clarity and brightness

HP collaborated with 3M Display Solutions to integrate 3M’s multilayer optical film into the HP t410 AiO’s LCD display screen. This magnifies the display’s brightness and reduces its power requirements without compromising performance or HD resolution.

“HP and 3M engineers and designers worked side by side to minimize the display’s power consumption,” said David Wortman, business manager, Optical Systems Division, 3M. “3M has been a key enabler in the development of laptop computers, flat-screen TVs, mobile phones and tablets, and are delighted to be collaborating with HP as they create yet another new category of device—one that gives users full desktop capabilities in a radically efficient, all-in-one thin client.”

Ease of management, security and ultimate flexibility

The HP t410 AiO utilizes HP Smart Zero Technology to easily deploy and maintain desktop virtualization systems that support multiple protocols and significantly reduces the IT burden. Software and security updates can be deployed in minutes from a centralized location, eliminating the need to service individual workstations. Rollouts and power requirements are also simplified since the unit needs only one cable for combined connectivity and power.

For organizations seeking to deploy or extend a PoE architecture, [HP Networking](#) offers a variety of solutions based on the [HP FlexNetwork architecture](#), including the [HP 2620 Switch Series](#), [HP 3800 Switch Series](#) and [HP 5400 Switch Series](#). PoE-powered solutions provide significant energy and cost savings, while increasing reliability for businesses of all sizes.

Availability ⁽³⁾

The HP t410 AiO Smart Zero Client is expected to be available this summer.

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- (1) The PoE type-1 standard specifies that a PoE switch can deliver a maximum of 15.4W of power. Various factors can affect how much of the 15.4W of power is available to an attached PoE device, including quality and length of wiring as well as the quality of the physical network connections. Ethernet cords of 100 meters or more will reduce the amount of power available to the PoE device. If user implementation exceeds the 13-watt envelope and the HP t410 AiO intelligently detects that it has additional available wattage from the network switch, it can take advantage of this additional power; or if no additional power is available, it will lower screen brightness to stay within the 13-watt envelope.
- (2) HD content required to view HD images.
- (3) Not all models available in all regions.

ARM is a registered trademark of ARM Limited.

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