

Overview

The HP PCM+ Agent with ONE Services zl Module operates with the PCM+ management server to provide a scalable and distributable network management solution. The PCM+ secure domain architecture utilizes remote agents to monitor and manage network devices efficiently and securely. These remote agents provide scalability to the management server by distributing the management workload to the agents and allowing the centralized management server to provide a consolidated view of the overall network. These agents can be deployed at remote sites to improve management traffic and provide effective management of devices that are secured behind a firewall.

Key features

- Simplified deployment and ongoing management
- Module form factor reduces management footprint
- Capable of managing up to 1500 network devices
- Secure and enhanced management communications
- Lifetime warranty, 5-year disk warranty

Models

HP PCM+ Agent with ONE Services zl Module

J9496A

Features and Benefits

Management

- **Simplified deployment:** the preloaded module contains all of the necessary software and can be deployed easily at remote sites across the network
- **Software synchronization:** the PCM+ Agent software is managed by the PCM+ server to which it is configured; agent software is automatically synchronized to the correct version
- **Integrated management:** network management capabilities on a switch module help to reduce the number of network management systems required for large deployments or at remote sites
- **Remote configuration and management:** is available through a secure Web browser or a command-line interface (CLI)
- **Secure Web GUI:** provides a secure, easy-to-use graphical interface for configuring the module via HTTPS
- **Command-line interface (CLI):** provides a secure, easy-to-use command-line interface for configuring the module via SSH or a switch console; provides direct real-time session visibility

Performance

- **Scalable management solution:** each PCM+ Agent on an HP ONE Services zl Module can manage up to 1500 devices
- **Reduces management traffic:** the PCM+ Agent contains management traffic to the local domain, which can reduce management traffic over slower WAN links
- **High-performance network bandwidth:** includes two internal wire-speed 10-GbE ports to the switch backplane
- **High-performance processor system:** Intel® Core™ 2 Duo Processor T7500 with 2.2 GHz, 4 MB cache provides a high-performance compute environment in a small footprint using a single switch slot
- **Memory subsystems:** 4 GB of DDR2-667 dual-channel memory provides for quick application performance
- **Disk drive:** 250 GB SATA II 7200 rpm hard disk drive (210 GB application space plus 40 GB diagnostic/maintenance space) allows quick data reads/writes to speed applications along

Resiliency and high availability

- **Redundant power supplies:** services module has the same level of power supply redundancy as the switch in which it is installed



Overview

Ease of use

- **Locator LED** (module): allows users to set the locator LED on a specific module to either turn on, blink, or turn off; simplifies troubleshooting by making it easy to locate a specific module among other identical or similar modules



Technical Specifications

HP PCM+ Agent with ONE Services zl Module (J9496A)	Physical characteristics	Dimensions	9.75(d) x 8.13(w) x 1.75(h) in. (24.77 x 20.65 x 4.45 cm)
		Weight	3.25 lb. (1.47 kg)
	Environment	Operating temperature	32°F to 122°F (0°C to 50°C); Important: See note for 50°C temperature specification rules.
		Operating relative humidity	15% to 90% @ 122°F (50°C), non-condensing
		Non-operating/Storage temperature	14°F to 149°F (-10°C to 65°C)
		Non-operating/Storage relative humidity	15% to 95% @ 149°F (65°C), non-condensing
		Altitude	up to 10,000 ft. (3 km)
	Electrical characteristics	Maximum heat dissipation	272 BTU/hr (287 kJ/hr)
		Maximum power rating	80 W
		Notes	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.
Notes	Chassis operating temperature specifications of the HP E5400 zl and E8212 zl Switches when the services module is installed: <ul style="list-style-type: none">• 40°C when any services module is installed in the right side of the chassis• 50°C when all services modules are installed in the left side of the chassis		
Services	Up to four services modules can be installed in an E5400 zl or E8212 zl chassis simultaneously. Up to three modules are supported (all installed in the left half of the chassis) in the E5406 zl chassis if a 50°C temperature specification is desired.		
	When the services module is installed, the maximum relative humidity for the switch drops from 95% to 90%. 3-year, 4-hour onsite, 13x5 coverage for hardware (UU099E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UU100E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UU101E) 3-Year, 9x5 SW phone support, software updates (UU102E) 3-year, 24x7 SW phone support, software updates (UU103E) Installation with HP-provided configuration, system-based pricing (US668E)		

Refer to the HP website at www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.



Technical Specifications

HP PCM+ Agent with ONE Services zl Module accessories

Appliance

HP Threat Management Services zl Module with 1-year IDS/IPS subscription

J9156A

To learn more, visit www.hp.com/networking

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