



HP AllianceONE Services zl Module for Avaya Aura Session Border Controller powered by Acme Packet

Data sheet

Product overview

The HP AllianceONE Services zl Module for Avaya Aura™ Session Border Controller (SBC) secures the enterprise perimeter for real-time interactive communications and provides a clear demarcation point to promote a broader service reach. With SBC, Unified Communications and Contact Center Solutions can securely leverage Session Initiation Protocol (SIP), while simultaneously extending the power of the Avaya Aura architecture throughout the network. This solution secures voice, video, presence, and instant messaging (IM) by defending SIP signaling elements against security threats and overloads. It solves SIP interoperability issues and provides service assurance to preserve call quality under load and adverse conditions. The solution also supports regulatory compliance.

Key features

- Enhanced security and interoperability
- Service assurance and accountability
- Quality of Service
- Regulatory compliance
- Industry-leading warranty



Features and benefits

Application highlights

- **Enhanced security:** protects real-time, interactive communications—voice, video, and multimedia devices—and the network from attacks such as denial of service (DoS) generally from the public Internet; features include SBC DoS/DDoS protection; access control; topology hiding; virtual private network (VPN) separation; privacy, virus, and spam over Internet telephony (SPIT) protection; service infrastructure DoS prevention; fraud prevention, monitoring, and reporting; as well as encryption
- **Interoperability:** provides interworking and protocol normalization to SIP trunking service providers or to promote interoperability between different elements within the same enterprise—for example, supporting NAT traversal or UDP/TCP signaling conversion or to extend the life of legacy equipment by ensuring ongoing interoperability with new equipment; the product supports multiprotocol signaling such as SIP, H.323, and SIP/H.323 IWF
- **Service assurance and accountability:** provides a clear demarcation point at the enterprise perimeter to provide broader service reach, SLA assurance, diagnostics, fault isolation, and business-grade call quality; features include NAT traversal, IP address translation, number and URL manipulation, signaling, and message header manipulation; the product provides protocol interworking as well as response code, SDP, and DTMF manipulation; transcoding is a licensed option
- **Quality of Service (QoS):**
 - enforces QoS policy and prioritization of flows and call admission control (CAC)
- **Regulatory compliance:** provides support for regulatory requirements such as emergency calls and recording

Management

- **Front-panel RJ-45 management port:** provides 10/100/1000 port for direct access to Avaya Aura user interface and configuration

Connectivity

- **Two 10-GbE connections to the switch:** features two internal wire-speed 10-GbE ports to the switch backplane

- **USB port:** provides one external USB 2.0 port for application use—for example, external hard drives or other forms of mass storage for Avaya Aura™ SBC template installation

Performance

- **High-performance processor system:** Intel® Core™ 2 Duo T9400 Processor @ 2.53 GHz, 4 MB cache provides a high-performance compute environment designed for a dual switch slot
- **Memory subsystems:** 8 GB of DDR3-1066 dual-channel memory enables fast application performance
- **Disk drive:** 500 GB SATA II 7200 rpm hard disk drive allows quick data read/writes to enhance application performance
- **Session capacity:** scales to 350 simultaneous voice sessions

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

Ease of use

- **High integration:** the Avaya Aura System Platform is pre-installed in the HP AllianceONE Services zl Module
- **Reduced complexity:** allows internal connections that enable easy assignment to any VLAN and mapping to physical ports on the front of the chassis
- **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; also provides status LED to view health of module
- **Simplified total solution:** fewer boxes, cabling, points of failure, and points of maintenance; reduced space and power requirements

Additional information

- **Avaya Aura System Platform application:**

- **Support and software upgrades:** Avaya Aura and Session Border Controller support and updates are provided only to customers who have purchased contractual services; for more information, go to HP networking services (<http://h10144.www1.hp.com/customer-care/services/index.htm>)

Warranty and support

- **Lifetime warranty:** for as long as you own the product with advance replacement and next-business-day delivery (available in most countries)*
- **Warranty note:** Avaya Aura and Session Border Controller warranty is 90-day media only
- **Electronic and telephone support:** limited electronic and telephone support is available from HP; refer to www.hp.com/networking/warranty for details on the support provided and the period during which support is available
- **Software releases:** refer to www.hp.com/networking/warranty for details on the software releases provided and the period during which software releases are available for your product(s)

*Hardware warranty replacement for as long as you own the product, with next business day advance replacement (available in most countries) with a five-year hardware warranty replacement for the disk drive included with HP AllianceONE Services z1 Module, HP Threat Management Services z1 Module, HP PCM+ Agent with AllianceONE Services z1 Module, and HP E-MSM765 z1 Mobility Controller. For details, refer to the HP Software License, Warranty, and Support booklet at www.hp.com/networking/warranty.

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Specifications



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Physical characteristics

Dimensions	9.75(d) x 8.13(w) x 3.5(h) in. (24.77 x 20.65 x 8.89 cm)
Weight	4.5 lb. (2.04 kg)

Environment

Operating temperature	32°F to 122°F (0°C to 50°C); Important: See note for 50°C temperature spec rules
Operating relative humidity	15% to 90% @ 104°F (40°C), non-condensing
Non-operating/Storage temperature	14°F to 149°F (-10°C to 65°C)
Non-operating/Storage relative humidity	15% to 90% @ 149°F (65°C), non-condensing
Altitude	up to 10,000 ft. (3 km)

Notes

HP E5400zl chassis operating temperature specifications when the services module is installed: 45°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.

Up to four services modules can be installed in an HP E5412zl/E8212zl Switch chassis simultaneously. Up to two services modules can be installed in an HP E5406zl/E8206zl Switch chassis simultaneously.

When the services module is installed, the maximum relative humidity for the switch drops from 95% to 90%.

The SBC software and licenses are procured from Avaya or Avaya authorized resellers.

This product does not support Avaya Aura SBC HA functionality.

Services

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.

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

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4AA3-1056ENN, Created September 2010

