

Overview

Model

HP Advanced Services v2 zl Module with HDD
HP Advanced Services v2 zl Module with SSD

J9857A
J9858A

Key features

- High-performance compute platform
- Virtual environment for one or multiple VMware vSphere(R) compatible software applications
- Two 10-GbE and one 1-GbE connections to the switch backplane
- Industry-leading warranty

Product overview

HP Advanced Services v2 zl module is a server module that is hardware compatible with VMware vSphere(R). The solution is best delivered by the HP "FlexNetwork" that unifies the data center, campus and branch across a Converged Infrastructure. The network is the key component of the HP Converged Infrastructure, the vehicle for interconnecting all enterprise systems and applications. Building on the Converged Infrastructure, HP is offering the Advanced Services v2 zl module solution that offers flexibility, scalability, and agility by enabling VMware vSphere(R) compatible virtualized software applications on the 5400/8200zl switching platforms. The HP solution converges infrastructure and delivers an open platform to host applications and dramatically simplify application deployments, centralize management, improve business productivity and reduce IT costs. VMware vSphere(R) is not included and must be purchased separately.

Features and benefits

Connectivity

- **USB port**
one external USB 2.0 port is available for application use (for example, external hard drives or other forms of mass storage)
- **10 GbE connections to the switch**
two 10-GbE wire-speed internal connections and one 1-GbE connection help ensure that network connections from applications to the switch backplane will not limit application performance
- **RS-232 port**
can be accessed from the switch CLI for initial configuration and deployment
- **10/100/1000Base-T LAN port**
external LAN port connectivity
- **VGA port**
video connectivity for a monitor

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

Warranty and support

- **3-year Warranty 2.0**
advance hardware replacement with next-business-day delivery (available in most countries)

Overview

- **Electronic and telephone support (for Warranty 2.0)**
limited electronic and 24x7 telephone support is available from HP for the entire warranty period; to reach our support centers, refer to www.hp.com/networking/contact-support; for details on the duration of support provided with your product purchase, refer to www.hp.com/networking/warrantysummary
- **Software releases**
to find software for your product, refer to www.hp.com/networking/support; for details on the software releases available with your product purchase, refer to www.hp.com/networking/warrantysummary

Performance

- **High-performance processor system**
Intel® Core i7-3612QE quad core processor subsystem running up to 3.10GHz and a 6MB cache provides a high-performance compute environment in a small footprint using a single switch slot
- **Memory subsystem**
16GB of DDR3-1333 ECC Dual-channel memory for quick application performance
- **Disk drive**
1 TB enterprise class SATA HDD (Hard Disk Drive) based on the model, 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
- **Fault tolerance**
fault tolerance for applications running on the module is supported by VMware vSphere(R)

Manageability

- **Console port**
application console is available as a pass-through to the switch console function
- **Virtual machine management**
VMware vSphere(R) 5.5 compatible

Technical Specifications

HP Advanced Services v2 zl Module with HDD (J9857A)

Physical characteristics **Dimensions** 8.13(w) x 9.75(d) x 1.75(h) in (20.65 x 24.77 x 4.45 cm) (1U height)

Weight 3.00 lb (1.36 kg)

Environment **Operating temperature** 32°F to 113°F (0°C to 45°C)

Operating relative humidity 15% to 95% @ 104°F (40°C), noncondensing

Nonoperating/Storage temperature -40°F to 158°F (-40°C to 70°C)

Nonoperating/Storage relative humidity 15% to 90% @ 149°F (65°C), noncondensing

Altitude up to 9,842 ft (3 km)

Electrical characteristics **Maximum heat dissipation** 133/287 BTU/hr (140.32/302.78 kJ/hr)

Idle power 84 W

Maximum power rating 39 W

Management command-line interface

Notes

The services module can be used with VMware certified applications.

- The HDD has a maximum operational wet bulb temperature of 28°C
- The HDD has a maximum non-operational wet bulb temperature of 28°C
- Up to four services modules can be installed in a 5406 zl chassis. There are no restrictions on where the modules can go in the chassis
- Up to three services modules can be installed in an 8206 zl chassis. There are no restrictions on where the modules can go in the chassis
- Up to six services modules can be installed in a 5412 or 8212 zl chassis. There are no restrictions on where the modules can go in the chassis

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.

Technical Specifications

HP Advanced Services v2 zl Module with SSD (J9858A)

Physical characteristics	Dimensions	8.13(w) x 9.75(d) x 1.75(h) in (20.65 x 24.77 x 4.45 cm) (1U height)
	Weight	2.75 lb (1.36 kg)
Environment	Operating temperature	32°F to 113°F (0°C to 45°C)
	Operating relative humidity	15% to 95% @ 104°F (40°C), noncondensing
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	15% to 90% @ 149°F (65°C), noncondensing
	Altitude	up to 10,000 ft (3 km)
Electrical characteristics	Maximum heat dissipation	133/290 BTU/hr (140.32/280.63 kJ/hr)
	Idle power	85 W
	Maximum power rating	37 W
Management	command-line interface	

- Notes**
- The services module can be used with VMware certified applications.
- The SSD has a maximum operational wet bulb temperature of 28°C
 - The SSD has a maximum non-operational wet bulb temperature of 28°C
 - Up to four services modules can be installed in a 5406 zl chassis. There are no restrictions on where the modules can go in the chassis
 - Up to three services modules can be installed in an 8206 zl chassis. There are no restrictions on where the modules can go in the chassis
 - Up to six services modules can be installed in a 5412 or 8212 zl chassis. There are no restrictions on where the modules can go in the chassis

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

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