# QuickSpecs

HP Advanced Services zl Module with VMware vSphere

*Overview*

## Model

HP Advanced Services zl Module with VMware vSphere Platform                                        J9748A

## Key features

- High-performance compute platform
- Virtual environment for one or multiple apps
- Two 10-GbE connections to the switch backplane
- Industry-leading warranty

## Product overview

The HP Advanced Services zl Module with VMware(R) vSphere(TM) is an industry-standard open architecture platform that provides the capability to host one or multiple applications within the networking infrastructure The solution has its own processor, storage, network interfaces, and memory all interconnected with a network switch ASIC on a single platform that hosts a vitualized environment, helping to ensure maximum switching and multi-application performance while reducing physical footprint, lower power power consumption, and consolidating management. The HP Advanced Services zl Module virtualized platform is installed into a HP 5400zl or 8200zl series switch.Using virtualization management tools, applications and services can get installed and configured remotely. With this high degree of flexibility, IT organizations can quickly deploy extended application monitoring to virtually any branch office location.

*Technical Specifications*

| HP Advanced Services zl Module with VMware vSphere Platform (J9748A) | Physical characteristics | Dimensions | 9.75(d) x 8.13(w) x 1.75(h) in. (24.77 x 20.65 x 4.45 cm) (1U height) |
|---|---|---|---|
| | | Weight | 3.3 lb. (1.5 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% @ 122°F (50°C), noncondensing |
| | | Nonoperating/Storage temperature | 14°F to 149°F (-10°C to 65°C) |
| | | Nonoperating/Storage relative humidity | 15% to 95% @ 149°F (65°C), noncondensing |
| | | Altitude | up to 10,000 ft. (3 km) |
| | Electrical characteristics | Maximum heat dissipation | 140/266 BTU/hr (147.7/280.63 kJ/hr) |
| | | Idle power | 41 W |
| | | Maximum power rating | 78 W |
| | | Notes | Idle power is the actual power consumption of the device with no ports connected. 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. |
| | Management | | command-line interface |
| | Notes | | The services module can only be used with certified AllianceONE services applications. It does not support a general application environment. <br> • Chassis operating temperature specifications when the services module is installed: <br> • For the 5400zl chassis, if all modules are installed in the left side of the chassis, the temperature specification is set to 50°C for the chassis. <br> • If any modules are installed on the right side of the chassis, then the temperature specification for the chassis is 45°C. <br> • For the 8200zl chassis, the temperature specification is set to 45°C. <br> • A maximum of 4 of these modules may be installed in any zl switch (except the 8206zl chassis, which supports a maximum of 2 of these modules). <br> • If a module is installed in excess of these quantities, the module will not boot. <br> • If you are running a 5406zl and want the 50°C temperature specification, then only three modules are supported in the chassis as that is all the slots there are on the left side. <br> • When the services module is installed, the maximum relative humidity for the switch drops from 95% to 90%. |
| | 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. |

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