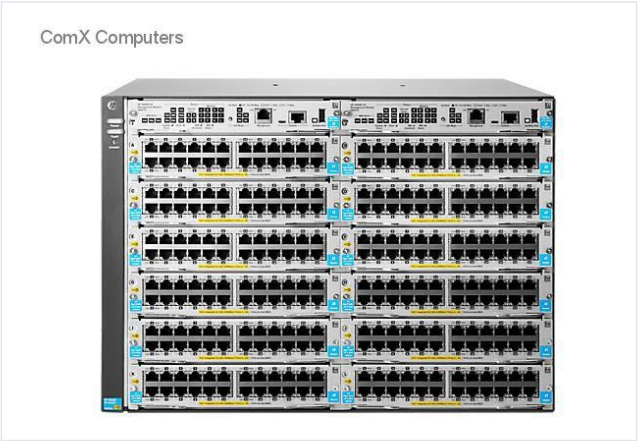
ComX Computers
Product Specification Sheet

J9822A

HP 5412R zl2 Modular Ethernet Switches

Product Overview

HP 5412R zl2 Modular Ethernet Switches



Specifications

Overview:

The HP 5400R zl2 Switch Series is an industry leading mobile campus access solution with HP Smart Rate multi-gigabit ports for high speed connectivity and bandwidth for next wave 802.11ac devices. It brings enterprise-class resiliency and innovative flexibility and scalability to converged campus networks.

Robust virtualization with HP AllianceOne solutions, hitless failover, QoS and security with full L3 features and flexible connectivity including 40 Gigabit Ethernet ports and full PoE+, the 5400R requires no add-on software licensing and is SDN ready with OpenFlow support.

Features:

Power and Innovation to Converge Your Mobile Campus

- The HP 5400R zl2 Switch Series is an industry leading mobile campus access solution with HP Smart Rate multi-gigabit ports for high speed connectivity for next wave 802.11ac devices. It brings enterprise-class resiliency and true flexibility, security and scalability to converged campus networks.
- Based on the 6th generation HP Networking ASIC, the 5400R has a high-speed, high-capacity architecture with 2 Tbps crossbar switching fabric with low 2.1mu latency and unprecedented programmability and leading edge SDN applications.
- Flexible connectivity options with 6 or 12 slot compact chassis, support for line rate 40 GbE, up to 96 line rate 10GbE ports (SFP+ and 10GBASE-T), 1GbE and up to 288 ports of PoE+ with internal power supplies.
- SDN ready with OpenFlow 1.3 supporting future enhancements for your network.
- License free software with advanced Layer 2 and 3 feature set including IPv6, IPv4 BGP, policy based routing, OSPF and robust QoS.

Resiliency and High Availability at the Edge

- The HP 5400R zl2 Switch Series utilizing the 6th generation HP Networking ASIC delivers wire-speed classification and policy enforcement. This hardware-based control of access and traffic allows protection, detection and response to network threats with no network performance degradation.
- Nonstop switching and routing for improved support of applications such as unified communications and enhanced L3 high availability.
- Redundant management and power enhances system availability and continuity of operations.
- Hot-swappable modules and optional redundant power supply provides uninterrupted power and allows swapping of modules with no impact on the network availability.
- Powerful virtualization with versatile HP AllianceOne service modules

.Robust Security and Dynamic Quality of Service

- The HP 5400R zl2 Switch Series includes a robust set of security and quality of services features to build a network that meets ever-changing corporate policies and compliances.
- Flexible authentication options include 802.1X, MAC and Web Authentication, delivering greater security and policy-driven application authentication. Industry standard MACSec provides link-level encryption security between two points using copper or fiber links (available on select modules only).
- Advanced distributed denial of service (DDOS) protection, such as DHCP Snooping, IP Source Guard, and ARP Protection, and flexible traffic controls, such as policy-based routing, QoS, and ACLs, to manage end-to-end application priorities.
- Powerful multilevel-access security controls, such as varying security management login, RADIUS/TACACS+, and SSH for safe control change management access.
- Defend the edge of your IPv6 network with DHCPv6 Protection and Dynamic IPv6 Lockdown.

Specifications:

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Specifications	
Product Code	J9822A
Differentiator	The HP 5412R zl2 Switch offers power and management redundancy in a modular 12-slot chassis supporting v2 zl and v3 zl2 modules providing 1GbE, 10GbE and 40GbE ports, MACsec ready hardware, multi-gigabit HP Smart Rate ports, and full PoE+.
Ports	(12) open module slots
	Supports a maximum of 288 autosensing 10/100/1000 ports or 288 SFP ports or 96 SFP+ ports or 96 HP Smart Rate Multi-Gigabit or 24 40GbE ports, or a combination
Memory and processor	Freescale P2020 dual core @ 1.2 GHz
	16 MB flash
	1 GB SD Card
	4 GB DDR3 SODIMM
Latency	1000 Mb Latency: < 2.8 µs
	10 Gbps Latency: < 1.8 µs
	40 Gbps Latency: < 1.5 µs
Throughput	up to 1142.8 Mpps

Routing/switching capacity	1920 Gbps
Switch fabric speed	2030 Gbps
Management features	IMC - Intelligent Management Center
	Command-line interface
	Web browser
	Configuration menu
	Out-of-band management (RJ-45 Ethernet)
	SNMP manager
	Out-of-band management (serial RS-232c or micro usb)
Minimum dimensions (W x D x H)	44.45 x 45.09 x 30.73 cm
Weight	17.28 kg

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx-computers.co.za/J9822A-HP-5412R-zl2-Modular-Ethernet-Switches-p-124794.php

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