HPE Networking Comware Router Series MSR1000

What's new

- Up to 500 Kpps IP forwarding; converged high-performance routing, switching, security, voice, and mobility.
- Embedded security features with hardware-based encryption, firewall, network address translation (NAT), and VPNs.
- Supports OpenFlow that enables integration with mainstream cloud platforms or a third-party controller for flexible network customization and automated management.
- Supports HPE Intelligent Resilient Fabric (IRF) technology for plug-and-play device aggregation and link aggregation across multiple devices, enhancing network redundancy and resource utilization.
- Ethernet Virtual Interconnect (EVI), VXLAN and VPLS enable greater scalability of L2/L3 overlay services and multicast.
- Introducing a new SKU R8V33A which is a direct replacement of JG875A.

Overview

The HPE Networking Comware Router Series MSR1000 delivers high-performance, small branch routing up to 500 Kpps in a cost-optimized modular form factor. Featuring integrated routing, switching, security, and SIP with no additional licensing, you can boost your service delivery while simplifying the management of your corporate WAN.

With Comware v7 and a convenient modular design, the HPE Networking Comware Router Series MSR1000 brings enhanced performance and advanced services, as well as a choice of connectivity options to provide flexible, open standards and lasting investment protection with lower CAPEX and OPEX for small-sized branches.

Features

Reduces Complexity and Simplifies Your Network

The HPE Networking Comware Router Series MSR1000 simplifies your network through integrated routing, switching, security, and voice, and combines the flexibility of modular upgrades to deliver high-performance small branch routing.

Makes administration easier with HPE Networking Intelligent Management Center (IMC) Software.

Reduces management complexity with zero-touch deployment (ZTP) and Dynamic VPN.

Enhances Time to Service and Branch Performance

The HPE Networking Comware Router Series MSR1000 offers high performance routing with up to 500 Kpps forwarding and upto 319 Mbps of IPSec encryption throughput to meet bandwidth requirements of branch traffic.

Supports branch requirements with a comprehensive feature set to improve service delivery.

Eases the transition to the cloud with integrated security.

Increases Your Return on Investment

The HPE Networking Comware Router Series MSR1000 is a compact modular platform with a wide range of connectivity options that enables the right design for your needs.

Reduces your TCO through open standards, power and space savings, and energy-efficient hardware.

Deploy advanced features with no additional licensing.

Boosts Agility and Resiliency

The HPE Networking Comware Router Series MSR1000 can provide branch service and business continuity with 4G/LTE and 3G WAN.

Gives you an open standards approach to your network infrastructure.

With advanced hardware architecture, you get reliable, high-performance functionality with multi-core processors.

Technical specifications	HPE Networking Comware Router Series MSR1000
Ports	2 SIC (or 1 DSIC slot) or 3 SIC slots (or 1 DSIC slot, and 1 SIC slot) 2 RJ-45 autosensing 10/100/1000 WAN ports 1 SFP fixed Gigabit Ethernet SFP port 1 Serial port 8 RJ-45 autosensing 10/100/1000 LAN ports Maximum, depending on model and configuration
Power consumption	30 W (maximum)
Heat dissipation	From 65 BTU/hr (68.58 kJ/hr) to 92 BTU/hr (97.06 kJ/hr) depending on the model
Routing table size	From 20000 entries (IPv4) 20000 entries (IPv6) to 90000 entries (IPv4) 90000 entries (IPv6) depending on model
Throughput	500 Kpps Maximum
Wireless capability	3G, 4G LTE Depending on options and configuration
Warranty	Limited lifetime warranty: See www.hpe.com/networking/warrantysummary for warranty and support information included with your product purchase.
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Input voltage	100 - 240 VAC Maximum (depending on power supply chosen)

Related Options

The following options are available for these series:

SKU	Description
Cables/Cable Kits	
JG522A	HPE MSR 3G RF 2.8m Antenna Cable
JD521A	HPE Networking Comware X200 V.24 DCE 3m Serial Port Cable
JD519A	HPE Networking Comware X200 V.24 DTE 3m Serial Port Cable
JD525A	HPE Networking Comware X200 V.35 DCE 3m Serial Port Cable
JD523A	HPE Networking Comware X200 V.35 DTE 3m Serial Port Cable
JD175A	HPE Networking Comware X260 E1 (2) BNC 75 ohm 3m Router Cable
JC156A	HPE Networking Comware X260 E1 RJ45 120 ohm 2m Router Cable
JD511A	HPE Networking Comware X260 E1 RJ45 BNC 75-120 ohm Conversion Router Cable
JH294A	HPE Networking Comware X260 E1 RJ45 to 2xBNC 75ohm 3m Router Cable
JG263A	HPE Networking Comware X260 Mini D-28 to 4-RJ45 0.3m Router Cable
JD518A	HPE Networking Comware X260 T1 Router Cable
Modules	
JG737A	HPE Networking Comware MSR 4-port Enhanced Sync Serial SIC Module
R8V29A	HPE Networking Comware MSR 4-port GbE Combo SIC Module
JG739A	HPE Networking Comware MSR 4-port Gig-T Switch SIC Module
Transceiver Options	
JD120B	HPE Networking X110 100M SFP LC LX Transceiver
JD102B	HPE Networking X115 100M SFP LC FX Transceiver
JD099B	HPE Networking X120 1G SFP LC BX 10-D Transceiver
JD098B	HPE Networking X120 1G SFP LC BX 10-U Transceiver
JD103A	HPE Networking X120 1G SFP LC LH100 Transceiver
JD119B	HPE Networking X120 1G SFP LC LX Transceiver
JD118B	HPE Networking X120 1G SFP LC SX Transceiver
JD089B	HPE Networking X120 1G SFP RJ45 T Transceiver

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

— **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

— **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

For additional technical information, available models and options, please reference the QuickSpecs

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product.

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