

HPE Networking Comware Router Series MSR4000



Overview

The HPE Networking Comware Router Series MSR4000 delivers high-performance large branch routing with up to 36 Mpps in a cost-optimized form factor. Featuring integrated routing, switching, security, VPN, and SIP with no additional licensing, you can boost your service delivery while simplifying the management of your corporate WAN.

The MSR4000 Series leverages separated data and control planes, dual main processing units (MPUs), and support for up to four power supplies. The routers provide a full-featured, resilient routing platform with the latest multicore CPUs, offer 10 Gigabit SFP+ integrated, provide an enhanced PCI bus, and ship with the latest version of HPE Comware software to help enable high performance with concurrent services.

With the Open Application Platform module, the MSR4000 Series offers a wide range of virtualized applications. Its distributed, modular architecture and high reliability also strengthen the resiliency of large branches.

Features

Reduces Complexity and Simplifies Your Network

The HPE Networking Comware Router Series MSR4000 simplifies your network through integrated routing, switching, security, voice, and VPN, and combines the flexibility of modular upgrades to deliver high-performance large branch routing.

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

Reduces management complexity with Zero-Touch Provisioning deployment (ZTP) and Dynamic VPN.

Enhances Time to Service and Branch Performance

The HPE Networking Comware Router Series MSR4000 offers high-performance routing with up to 36 Mpps forwarding and 28 Gbps of IPSec encryption throughput to meet the bandwidth demands of the branch.

Supports branch services with a comprehensive feature set and eases the cloud transition with integrated security.

Delivers powerful aggregation capacity and high port density to satisfy the largest branches.

These routers also support HPE Open Application Platform (OAP) modules to deliver integrated industry-leading HPE AllianceOne partner applications such as virtualization, unified communications and collaboration (UC&C), and application optimization capabilities.

The MSR4000 series provides a full-featured, resilient routing platform, including IPv6 and Multiprotocol Label Switching (MPLS), with up to 36 Mpps forwarding capacity and 28 Gbps of IPSec Virtual Private Networks (VPN) encrypted throughput.

Increases Your Return on Investment

The HPE Networking Comware Router Series MSR4000 is a 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.

The MSR4000 Series provides an agile, flexible network infrastructure that enables you to quickly adapt to your changing business requirements while delivering integrated concurrent services on a single, easy-to-manage platform.

Boosts Large Branch Agility and Resiliency

The HPE Networking Comware Router Series MSR4000 is built on distributed architecture with separate hardware data and control planes for increased resiliency.

Facilitates high reliability with 4G/LTE and 3G WAN, dual MPUs, redundant power supplies.

Gives you an open standards approach to networking with the Open Application Platform module by supporting HPE AllianceOne applications such as WAN acceleration and Microsoft Skype for Business (Lync).

Technical specifications	HPE Networking Comware Router Series MSR4000
Input voltage	AC: 100–240 VAC DC: -36 to -75 VDC Maximum, depending on model and configuration
Ports	(8) HMIM slots, (2) MPU (main processing unit) and 1 SPU (service processing unit) slots Maximum, depending on model and configuration
Power consumption	Maximum power rating: 300W PoE power: 450W PoE+
Routing table size	1000000 entries (IPv4), 1000000 entries (IPv6) Maximum, depending on model and configuration
Throughput	36 Mpps Maximum, depending on model and configuration
Wireless capability	Uses USB memory disk to download and upload configuration or OS image files supports an external USB 3G/4G modem for a 3G/4G WAN uplink
Warranty	1-year warranty. See the warranty duration.

SKU comparison

	HPE Networking Comware MSR4060 Router Chassis (JG403A)	HPE Networking Comware MSR4080 Router Chassis (JG402A)
Differentiator	2 MPU (Main Processing Unit) slots 1 SPU (Service Processing Unit) slot 6 HMIM slots 4 Power Supply slots	2 MPU (Main Processing Unit) slots 1 SPU (Service Processing Unit) slot 8 HMIM slots 4 Power Supply slots
Input voltage	AC: 100–240 VAC DC: -36 to -75 VDC Maximum, depending on model and configuration	AC: 100–240 VAC DC: -36 to -75 VDC Maximum, depending on model and configuration
Ports	(8) HMIM slots, (2) MPU (main processing unit) and 1 SPU (service processing unit) slots Maximum, depending on model and configuration	(8) HMIM slots, (2) MPU (main processing unit) and 1 SPU (service processing unit) slots Maximum, depending on model and configuration
Power consumption	Maximum power rating: 300W PoE power: 450W PoE+	Maximum power rating: 300W PoE power: 450W PoE+
Routing table size	1000000 entries (IPv4), 1000000 entries (IPv6) Maximum, depending on model and configuration	1000000 entries (IPv4), 1000000 entries (IPv6) Maximum, depending on model and configuration
Throughput	36 Mpps Maximum, depending on model and configuration	36 Mpps Maximum, depending on model and configuration
Wireless capability	Uses USB memory disk to download and upload configuration or OS image files; supports an external USB 3G/4G modem for a 3G/4G WAN uplink	Uses USB memory disk to download and upload configuration or OS image files; supports an external USB 3G/4G modem for a 3G/4G WAN uplink
Warranty	1-year warranty. See the warranty duration.	1-year warranty. See the warranty duration.

Related Options

The following options are available for these series:

- HPE Networking Comware MSR 8-port 10/100/1000BASE-T/2-port 1000BASE-X (Combo) Switch HMIM Module
- HPE Networking Comware MSR 8-port 100BASE-FX/1000BASE-X/4-port 1000BASE-T (Combo) L2/L3 HMIM Module
- HPE Networking Comware MSR 8-port E1/CE1/T1/CT1/PRI HMIM Module
- HPE Networking Comware MSR 8-port E1/Fractional E1/T1/Fractional T1 HMIM Module
- HPE Networking Comware MSR 8-port Gig-T HMIM Module
- HPE Networking Comware MSR 24-port Gig-T Switch HMIM Module
- HPE Networking Comware X200 V.24 DCE 3m Serial Port Cable
- HPE Networking Comware X200 V.24 DTE 3m Serial Port Cable
- HPE Networking Comware X200 V.35 DCE 3m Serial Port Cable
- HPE Networking Comware X200 V.35 DTE 3m Serial Port Cable
- HPE Networking Comware X260 E1 (2) BNC 75 ohm 3m Router Cable
- HPE Networking Comware X260 E1 RJ45 BNC 75-120 ohm Conversion Router Cable
- HPE Networking Comware X260 E1 RJ45 to 2xBNC 75ohm 3m Router Cable
- HPE Networking Comware X260 T1 Router Cable
- HPE Networking Comware X260 T3/E3 Router Cable
- HPE Networking Comware X351 300W 48-60VDC to 12VDC Power Supply
- HPE Networking Comware X351 300W 100-240VDC to 12VDC Power Supply
- HPE Networking Comware MSR 8-port 1000BASE-X HMIM Module
- HPE Networking X130 10G SFP+ LC ER 40km Transceiver
- HPE Networking X240 10G SFP+ SFP+ 0.65m DAC Cable
- HPE Networking X240 10G SFP+ SFP+ 1.2m DAC Cable
- HPE Networking X240 10G SFP+ SFP+ 3m DAC Cable
- HPE Networking X240 10G SFP+ SFP+ 5m DAC Cable

Related Services

The following services are available for these series:

- HPE Aruba Networking Foundational Care 1Y 4HR Exch MSR4060 Router SVC
- HPE Aruba Networking Foundational Care 1Y 4HR Exch MSR4080 Router SVC
- HPE Aruba Networking Foundational Care 1Y 4HR Onsite MSR4060 Router SVC
- HPE Aruba Networking Foundational Care 1Y 4HR Onsite MSR4080 Router SVC
- HPE Aruba Networking Foundational Care 1Y CTR 6-Hour MSR4060 Router SVC
- HPE Aruba Networking Foundational Care 1Y CTR 6-Hour MSR4080 Router SVC
- HPE Aruba Networking Foundational Care 1Y NBD Exch MSR4060 Router SVC
- HPE Aruba Networking Foundational Care 1Y NBD Exch MSR4080 Router SVC
- HPE Aruba Networking Foundational Care 1Y NBD Onsite MSR4060 Router SVC
- HPE Aruba Networking Foundational Care 1Y NBD Onsite MSR4080 Router SVC
- HPE Aruba Networking Foundational Care 3Y 4HR Exch MSR4060 Router SVC

- HPE Aruba Networking Foundational Care 3Y 4HR Exch MSR4080 Router SVC
- HPE Aruba Networking Foundational Care 3Y 4HR Onsite CDMR MSR4060 Router SVC
- HPE Aruba Networking Foundational Care 3Y 4HR Onsite CDMR MSR4080 Router SVC
- HPE Aruba Networking Foundational Care 3Y 4HR Onsite MSR4060 Router SVC
- HPE Aruba Networking Foundational Care 3Y 4HR Onsite MSR4080 Router SVC
- HPE Aruba Networking Foundational Care 3Y CTR 6-Hour CDMR MSR4060 Router SVC
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- HPE Aruba Networking Foundational Care 3Y NBD Exch MSR4060 Router SVC
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- HPE Aruba Networking Foundational Care 3Y NBD Onsite CDMR MSR4060 Router SVC
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- HPE Aruba Networking Foundational Care 5Y NBD Onsite MSR4080 Router SVC

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.

HPE GreenLake

[HPE GreenLake edge-to-cloud platform](#) is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

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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