

# HPE FlexNetwork MSR4000 Router Series

Modular Ethernet Routers



## What's new

- Enhances security with built-in IPS and optional HPE IPS filter subscription, as well as zone-based and stateful firewall.
- OpenFlow facilitates Software-defined Networking (SDN).
- WAN optimization and Intelligent Resilient Fabric (IRF).
- Ethernet Virtual Interconnect (EVI), VXLAN and VPLS.
- Fiber LAN switching and high-density E1/T1 modules.

## Overview

The HPE MSR4000 Router Series deliver 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.

With the Open Application Platform module, the MSR4000 Router 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 MSR4000 Router Series 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 deployment (ZTP) and Dynamic VPN.

### **Enhances Time to Service and Branch Performance**

The HPE MSR4000 Router Series 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.

### **Increases Your Return on Investment**

The HPE MSR4000 Router Series 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.

### **Boosts Large Branch Agility and Resiliency**

The HPE MSR4000 Router Series 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 FlexNetwork MSR4000 Router Series

<b>Differentiator</b>	Modular, next-generation router IPv6 and MPLS Up to 36 Mpps forwarding capacity 28 Gbps of IPsec VPN encrypted throughput 10 Gigabit SFP+ integrated Supports HPE Open Application Platform For extra-large branch offices, headquarters and campus
<b>Ports</b>	(8) HMIM slots, (2) MPU (main processing unit) and 1 SPU (service processing unit) slots Maximum, depending on model and configuration
<b>Throughput</b>	36 Mpps Maximum, depending on model and configuration
<b>Routing table size</b>	1000000 entries (IPv4), 1000000 entries (IPv6) Maximum, depending on model and configuration
<b>Wireless capability</b>	3G, 4G LTE Depending on options and configuration
<b>PoE capability</b>	IEEE 802.11at, 450 W Maximum, depending on model, options and configuration
<b>Input voltage</b>	-36 to -75 VDC Maximum, depending on model and configuration
<b>Operating humidity range</b>	5 to 90% (noncondensing)
<b>Power Consumption</b>	300 W (maximum)
<b>Warranty</b>	1-year Warranty: See <a href="http://www.hpe.com/networking/warrantysummary">www.hpe.com/networking/warrantysummary</a> for warranty and support information included with your product purchase.
<b>Management features</b>	IMC - Intelligent Management Center command-line interface limited command-line interface configuration menu out-of-band management (RJ-45 Ethernet) SNMP Manager Telnet RMON1 FTP in-line and out-of-band modem interface out-of-band management (serial RS-232C or Micro USB) IEEE 802.3 Ethernet MIB
<b>Memory and processor</b>	: MPU-100, 2 cores RISC @ 1 GHz, 512 MB flash capacity, 2 GB DDR3 SDRAM : SPU-100, 8 cores RISC @ 1 GHz, 2 GB DDR3 SDRAM : SPU-200, 16 cores RISC @ 1 GHz, 2 GB DDR3 SDRAM
<b>Mounting</b>	Desktop or can be mounted in a EIA-standard 19 in. telco rack when used with the rack-mount kit in the package



For additional technical information, available models and options, please reference the [QuickSpecs](#)

## HPE Pointnext Services

HPE Pointnext Services brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

### Operational Services from HPE Pointnext Services

HPE Pointnext Tech Care provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

HPE Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

**HPE Integration and Performance Services** help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- GreenLake Management Services
- Retire and sanitize
- IT Training and personal development

### Other related services

HPE Education Services delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

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

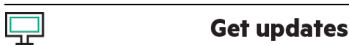
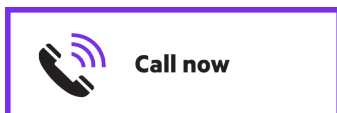
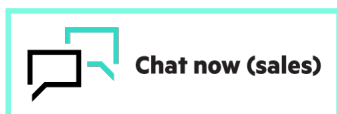
## HPE GreenLake

HPE GreenLake is HPE's market-leading IT 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. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

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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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