



HPE M-SERIES SN4600M SWITCH

M-series Switches



OVERVIEW

HPE M-series SN4600M Switches are ideal for modern server and storage networks. It delivers predictable performance and zero packet loss at line-rate across all ports and packet sizes. Enhanced for storage combined with efficient design, it provides enterprise-level performance with attractive economics and outstanding return on investment. Networks built on the HPE M-series SN4600M are fast, reliable, and scalable while also being affordable and easy to manage. They support primary and secondary storage, providing consistently fair, fast, low-latency connectivity even under heavy workloads or a mix of different port speeds. This makes them ideal for storage, hyper converged, financial services, and media and entertainment deployments.

FEATURES

Designed for Superior Performance, Scale, and Future Growth

HPE M-series SN4600M Switch delivers predictable and consistent throughput regardless of the packet size being transferred, the mixture of ports which are sending data and even within mixed speed environments.

Provide wire-rate performance with zero packet loss across frame sizes, avoiding any negative impact on applications that could occur with frame loss as

unexpected packet loss is unacceptable in modern data centers, especially within a storage network.

Capable of forwarding wire-rate performance with zero packet loss across 64-ports concurrently while transferring data across both Layer 2 and Layer 3 networks.

Enhanced for Demanding Enterprise Data Centers and Storage Environments

HPE M-series SN4600M Switch allows flexible port speed configurations at 10GbE, 25GbE using breakout cables to 64-ports at 40GbE or 100GbE allowing flexibility, efficiency, simplifying scale-out of aggregation switching layers, and reducing total cost of ownership (TCO).

In the aggregation layer of fabrics, load balancing and scalability are essential. HPE SN4600M Switch provides superior equal-cost multipath (ECMP) flexibility and efficiency to deliver balanced workloads.

Flexible management and monitoring options from CLI, GUI, and toolsets provide world-class ease-of-use, configuration, and monitoring of your fabric.

Unleash Storage Performance and Improve Flash Return on Investment

HPE M-series SN4600M Switch provides ultra-low latency. This is advantageous for flash storage, which moved latency from storage access to the network, as well as for the burst nature of today's software-defined and cloud data center traffic.

Provides enough internal bandwidth that there is sufficient capacity to carry ports at 100 Gbps bandwidths concurrently. This allows HPE SN4600M Switch to avoid head-of-line blocking, which can reduce a switch's overall performance.

Extremely flexible and performance-rich lossless fabric capabilities make HPE SN4600M Switch ideal for mission-critical storage applications.

Technical specifications

HPE M-series SN4600M Switch

Port speed	100 Gbps Ethernet, maximum per port
Aggregate switch bandwidth	12.8 Tbps
Protocol supported	Ethernet
Availability features	Hot-swappable power-supplies, Hot-swappable fan trays
Form factor	2U
Software (required)	ONYX or ONIE



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

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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.

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