Hewlett Packard Enterprise

HPE STOREFABRIC SN2410BM 10GBE 48SFP+ 8QSFP28 SWITCH (Q6M28A)

Storage Networking

OVERVIEW

How can you provide fast, reliable, and cost-effective connectivity in the data center with predictable performance?

HPE M-series SN2410M Ethernet switches are ideal for modern server and storage networks. They are an ideal top-of-rack (ToR) solution with 10 GbE and 25 GbE or 100 GbE systems with wire-speed Layer 2 and 3 features that delivers predictable performance and zero packet loss at line-rate

across all ports and packet sizes. Enhanced for storage with efficient design, it provides enterprise-level performance with attractive economics and outstanding ROI. Networks built on the HPE SN2410M 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

High Density Data Center Switching

The HPE M-series SN2410M Ethernet switch is a ToR data center switch offering two form-factor configurations: a 1U 48-port 25 GbE SFP28 with 8-port 100 GbE QSFP28, or a 1U 48-port 10GbE SFP+ with 8-port 100 GbE QSFP28.

Each switch offers cost-effective options with entry at 24-ports and a pay-as-you grow with a software license offering more flexibility to customers to add capacity when needed.

Each switch delivers 100 GbE ports that may be further split into four 25 GbE ports or support for 40 GbE that can be further split into four 10 GbE.

Each switch delivers data rates from 1 GbE to 100 GbE (1, 10, 25, 40, 100 GbE) providing future-proofing for connectivity options.

Superior Performance with Future-proof Growth

The HPE M-series SN2410M Ethernet switches deliver 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.

It provides wire-rate performance with zero packet loss across all 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.

Enhanced for Demanding Enterprise Data Centers and Storage Environments

The HPE M-series SN2410M switch provides a flexible combination of ports, allowing great flexibility and efficiency, simplifying scale-out environments, and saving on total cost of ownership (TCO).

Enhanced port configuration enables high-speed rack connectivity to the server at 10 GbE or 25 GbE speeds with 100 GbE uplink ports that allow for a variety of blocking ratios that suit specific application requirements.

Unleash Storage Performance and Improve Flash ROI

The HPE M-series SN2410M switch provides ultra-low latency of under 300ns port-to-port. This is advantageous for flash storage, which has moved latency bottlenecks from storage access to the network, as well as for the burst nature of today's software defined and cloud data centers traffic.

The buffering architecture of HPE SN2410M switches provides superior micro burst absorption for applications that burst data at random intervals.

Technical specifications

HPE StoreFabric SN2410bM 10GbE 48SFP+ 8QSFP28 Switch

Product Number (SKU)	Q6M28A
Port speed	10 Gb
Aggregate switch bandwidth	4 Tbps
Encryption capability	None
Protocol supported	Ethernet
Availability features	Additional ports with upgrade license Hot-swappable power supplies Hot-swappable fan trays
Form factor	1U
Software (required)	ONYX and ONIE
Minimum dimensions (H x W x D)	4.39 x 43.8 x 43 6 cm
Weight	8.52 kg

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- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

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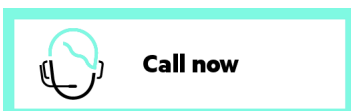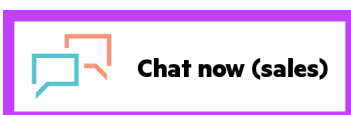
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