**Hewlett Packard
Enterprise**

HPE SN2745M 100GBE 32QSFP28 ONIE POWER TO CONNECTOR AIRFLOW DC SWITCH (R3B05A)

M-series Switches

OVERVIEW

HPE M-series SN2700M Ethernet switches are ideal for modern server and storage networks. Supporting 10, 25, 40, 50, and 100 GbE, 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 SN2700M 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 SN2700M 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.

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 100% capacity wire rate performance with zero packet loss across 32-ports concurrently at 100 GbE speeds while transferring data across both Layer 2 and Layer 3 networks.

Can be deployed today to support 10 GbE ports (via breakout cables) and is designed to be able to evolve over time to support 25, 50, and 100 GbE speeds. This helps future proof your network architecture and allows implementing significant speed changes to the architecture over time.

Enhanced for Demanding Enterprise Data Centers and Storage Environments

HPE M-series SN2700M switch allows flexible port speed configurations from 64-ports at 10, 25, and 50 GbE using breakout cables to 32-ports at 40 or 100 GbE 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 M-series SN2700M provides superior equal-cost multi-path (ECMP) flexibility and efficiency to deliver balanced workloads.

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

Unleash Storage Performance and Improve Flash Return on Investment

HPE M-series SN2700M switch provides ultra-low latency of under 300ns port-to-port. 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 centers traffic.

Provides enough internal bandwidth that there is sufficient capacity to carry ports at 100 Gbps bandwidths concurrently. This allows HPE SN2700M to avoid head-of-line blocking which can reduce a switch's overall performance and guarantees.

Extremely flexible and performance-rich lossless fabric capabilities make HPE SN2700M ideal for mission critical storage applications.

Technical specifications

HPE SN2745M 100GbE 32QSFP28 ONIE Power to Connector Airflow DC Switch

Product Number (SKU)	R3B05A
Port speed	100 Gbps Ethernet, maximum per port
Aggregate switch bandwidth	6.4 Tbps
Encryption capability	No
Protocol supported	Ethernet
Availability features	Additional ports with upgrade license Hot-swappable power-supplies Hot-swappable fan trays
Form factor	1U
Software (optional)	ONYX and ONIE

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- **HPE Foundation Care** helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. Read more.

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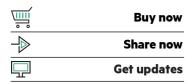
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