HPE StoreFabric M-series Ethernet Switches

Deliver network speed and agility to keep pace with the most intense workloads

Versitility in the Data Center

HPE StoreFabric M-series allows you to deploy high-performance Ethernet networking solutions that replaces expensive, underperforming platforms. With industry low 300ns latency across any packet size and any mix of port speeds enables the M-series to be tailored for specialized and critical workloads including exceptional performance in storage environments.

- IP Storage

- Cloud Computing

- Financial Services

- Media and Entertainment

- Virtualized Data Centers

Networking for High-performance Workloads and Next-generation Storage Connectivity

With an increasing need to access data faster and accommodate growing workloads, rising levels of east-west traffic, and new storage arrays based on flash storage technologies, a high bandwidth, low-latency network becomes paramount. The HPE StoreFabric M-series Ethernet switches offers a 100GbE- based network platform capable of delivering unbelievable networking speed and agility to keep pace with the most intense workloads small- to large-scale enterprises can produce. With port speeds spanning from 1Gb/s to 100 Gb/s, and delivering a switching capacity of 6.4Tb/s from 32 ports at 100GbE, and enable non-blocking throughput at wire-speed transfers-across all packet sizes. All this enables the M-series to deliver a landmark 9.52 Bpps processing capacity and an uncompromising 300ns latency in a compact 1RU form factor. The M-series are perfect for Top-Of-Rack (TOR) deployments and optimized for virtualized environments and storage deployments.

Delivering better business efficiencies

HPE StoreFabric M-series Ethernet switches give you the right network bandwidth with consistent performance for high-performance and storage workloads. Delivering the highest feature set at the right price allows you to get the most out of your Ethernet infrastructure to best support a variety of use cases, including media, entertainment and video, financial services industry, virtualized data centers and next generation storage such as software-defined storage and NVMe flash. With HPE M-series switches, you can:

- **Storage optimized** - Modernize your network to eliminate limitations and bottlenecks that can be caused by the addition of flash storage
- **Efficient network performance** - Avoid packet loss, provide predictable performance with line-rate delivery across all ports and all packet sizes
- **Realize breakthrough economics** - Make better use of your data center space with the highest port density per rack unit and the industry's lowest power consumption
- **Accelerate business innovation** - Support 1/10Gbps for existing workloads and deliver 25/50/100Gbps Ethernet to respond quickly to business needs and stay on the leading edge of technology

Hewlett Packard Enterprise

HPE StoreFabric M-series Storage Optimized Ethernet Switches

	HPE StoreFabric SN2100M	HPE StoreFabric SN2410bM	HPE StoreFabric SN2410M	HPE StoreFabric SN2700M
Description	Ideal 25/40/50/100GbE ½ width ToR switch	10GbE ToR switch with 100GbE uplinks	25GbE ToR switch with 100GbE uplinks	100GbE Aggregation /ToR switch

Ports Speeds	• 16x40/100GbE
	• 32x50GbE
	• 64x10/25GbE
		• 48x10GbE
		  + 8x100GbE
			• 48x25GbE
			  + 8x100GbE
				• 32x40/100GbE
				• 32x50GbE
				• 64x10/25GbE

Minimum Configuration	8 Ports – with 8 port license option	24x10 + 4x100 Ports – with 24 port license option	24x10/25 + 4x100 Ports – with 24 port license option	16 Ports – with 16 port license option
Size	1U (½ 19″ wide)	1U	1U	1U
Switching Capacity	3.2Tb/s	2.56Tb/s	4Tb/s	6.4Tb/s
Processing Capacity	4.76Bpps	3.8Bpps	5.95Bpps	9.52Bpps
Forwarding Technology	Cut Through	Cut Through	Cut Through	Cut Through
Latency	300ns	300ns	300ns	300ns
Typical Power Consumption	94W	165W	165W	150W
System Memory	8GB	8GB	8GB	8GB
SSD Memory	16MB	32MB	32MB	32MB
Packet Buffer	16MB	16MB	16MB	16MB
100/100 Mgmt Ports	1	1	1	1
Serial Ports	1 RJ45	1 RJ45	1 RJ45	1 RJ45
USB Ports	1 Mini USB	1	1	1
Reversible Airflow	Yes	Yes	Yes	Yes
Hot-Swap Power Supplies	No	2 (1+1 redundant)	2 (1+1 redundant)	2 (1+1 redundant)
Hot-Swappable Fans	No	4 (N+1 redundant)	4 (N+1 redundant)	4 (N+1 redundant)
Power Supplies	Frequency: 50-60Hz Input range: 100-264 AC Input current 4.5-2.9A	Frequency: 50-60Hz Input range: 100-264 AC Input current 4.5-2.9A	Frequency: 50-60Hz Input range: 100-264 AC Input current 4.5-2.9A	Frequency: 50-60Hz Input range: 100–264 AC Input current 4.5-2.9A
Size	1.72″ x 7.87″ x 20″(43.9mm x 200mm x 508mm)	1.72″ x 17.24″ x 17″(43.9mm x 438mm x 436mm)	1.72″ x 17.24″ x 17″(43.9mm x 438mm x 436mm)	1.72″ x 16.84″ x 27″(43.9mm x 427.8mm x 686mm)
Weight	4.53kg (10Lb)	8.52kg (18.8Lb)	8.52kg (18.8Lb)	11.1kg (24.5Lb)

f 𝕏 in

Sign up for updates

Learn more at
hpe.com/storage/storefabric