Overview

The M2-S6520-24DC8QC switch is the new-generation high-performance and high-density switch, released by Micas Networks for AI and other application scenarios.

The switch is highlighted by the high performance and high density.

The switch can provide high-density 200GE or 100GE ports and can be used with the M2-S6930-64QC switch to meet design requirements of the spine-leaf network architecture.

Front View

Back View

Product Highlights

Non-blocking Hyperscale Data Center Networks

- Various ports - 24 x 200GE QSPF56 ports and 8 x 400GE QSPF-DD ports, allowing flexible networking

RDMA-based Lossless Ethernet

- Supports the RDMA feature and enables the establishment of lossless, low-latency data center Ethernet.

Data Center Oriented Design

- Over 94% efficient power supplies
- Hardware-level redundancy, ensuring service continuity

Automated O&M/Monitoring Network

- Enables active pushing of switch status based on gRPC.
- Supports the ZTP protocol to meet automatic deployment requirements.

Parameter Specifications

System Specifications	
Switch Model	M2-S6520-24DC8QC
Ports	24×200GbE QSFP56 + 8×400GbE QSFP-DD
Max 400GbE Ports	8
Max 200GbE Ports	40
Max 100GbE Ports	48
Max 50GbE Ports	-
Max 40GbE Ports	-
Max 25GbE Ports	-
Max 10GbE Ports	-
Max 1GbE Ports	-
Console Port	1
MGMT Port	1
USB Port	1
Switching Capacity （FDX）	16.0 Tbps
Packets/Second	2.74 Bpps
CPU	2.9 GHz Quad-Core
System Memory	DDR4 8GB (Up to 64GB)
System Storage	64GB
Packet Buffer	82MB
Temperature Alarm	Supports temperature alarm and overtemperature protection
Power Supplies	2 (1+1 redundant, hot-swappable)
Fans	6 (5+1 redundant， hot-swappable)
OS	HULKOS
Airflow Options	Standard* airflow
Max/Typical Power	800W/665W
Consumption Dimensions (W x D x H)	17.40 in. x 26.41 in. x 1.72 in. 442 mm x 670.8 mm x 43.6 mm 1RU
Weight (with all modules)	25.57 lbs (11.6 kg)

Power Supply	
Model	PA1300I-F
Input Connector	IEC 320-C14
Output Power	1300W
Input Voltage	100-240 VAC
Frequency	50-60 Hz
Efficiency	94% Platinum
Typical Input Current	13.8A (100 V AC to 127 V AC) 8.5A (200 V AC to 240 V AC)
Environmental Characteristics	
Operating Temperature	32 to 104° F (0 to 40°C)
Storage Temperature	-40 to 158° F (-40 to 70°C)
Operating Humidity	10% to 90% RH (Non-condensing)
Altitude (Operating)	0~1800m, (1800 ~ 5000m): When the altitude increases by 220m, the maximum temperature decreases by 1°C
Standard Compliance	
EMC Standards	FCC 47 CFR Part 15 Subpart B ANSI C63.4 ICES-003 Issue 7 EN 55032 EN 55035 EN IEC 61000-3-2 EN 61000-3-3 EN 300386 BS EN 55032 BS EN 55035 BS EN IEC61000-3-2 BS EN 61000-3-3 BS EN 300386
Safety	UL 62368-1 CSA C22.2 NO. 62368-1 IEC 62368-1 EN 62368-1 BS EN 62368-1
Certifications	FCC; IC; cTUVus; CE; CB; ANATEL; UKCA; VOC
European Union Directives	Low Voltage Directive 2014/35/EU EMC Directive 2014/30/EU Directive 2012/19/EU DIRECTIVE 2011/65/EU

Ordering Information

Product ID	Product Description
M2-S6520-24DC8QC-FA	24 × 200GE QSFP56 ports + 8 × 400GE QSFP-DD ports. The switch is installed with two PA1300I-F modules and six M1HFAN II-F fan modules.
MTHFAN II-F	Fan module for front-to-rear airflow
PA1300I-F	1300W AC power supply module, front-to-rear airflow

ABOUT MICAS

Micas Networks, a pioneer in open networking solutions, offers high-performance switch

products and reliable services tailored for data centers.

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For more information, please visit. https://micasnetworks.com or contact your local Micas sales representative.