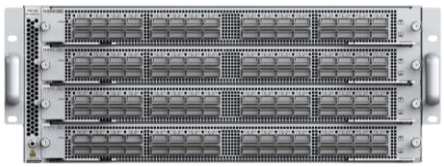
Overview

The M2-S6920-4S is a new-generation fixed switch released by Micas Networks for AI and other application scenarios. It is highlighted by its high performance and high density.

Designed based on a single 12.8T chip, the M2-S6920-4S switch provides up to 128 x 100GbE physical ports in a space of 4 RU. It can be used with the M2-S6920-4S series switches to establish small to super-large spine-leaf architecture data center networks.

This product offers adjustable L2/L3 resource allocation capabilities for different types of networks, and monitoring and O&M functions (such as INT/Telemetry/ZTP) for automatic monitoring and O&M. Used with the M2-S6510 series switches, it can support construction of lossless networks and can be applied to service scenarios that require lossless transmission, such as AI training or HPC.



Front View

Back View

Product Highlights

Non-blocking Hyperscale Data Center Network

- Provides 128 x 100GbE ports

RDMA-based Lossless Ethernet

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

Automated O&M/Monitoring Network

- Supports In-band Network Telemetry to enable active pushing of switch status based on gRPC.
- Supports the ZTP protocol to meet automatic deployment requirements.

Parameter Specifications

System Specifications	
Switch Model	M2-S6920-4S
Ports	128×100GbE QSFP28
Max 100GbE Ports	128
Max 50GbE Ports	-
Max 40GbE Ports	128
Max 25GbE Ports	128
Max 10GbE Ports	128
Max 1GbE Ports	-
Console Port	1
MGMT Port	1
USB Port	1
Switching Capacity	25.6 Tbps
Packets/Second	8 Bpps
CPU	2.2 GHz quad-core
System Memory	DDR4 8GB (Up to 16GB)
System Storage	64GB
Packet Buffer	64MB
Temperature Alarm	Supports temperature alarm and overtemperature protection
Power Supplies	4 (2+2 redundant, hot-swappable)
Fans	6 (5+1 redundant, hot-swappable)
Expansion Module Slot	4
Extension Module Types	SM6900-32C
OS	HULKOS
Airflow Options	Standard* airflow
Max/Typical Power	1950W/1469W
Consumption Dimensions (W x D x H)	17.40in. × 28.9in. × 6.83 in. 442 mm x 735 mm x 173.5 mm, 4RU
Weight (with all modules)	106.26 lbs (48.2kg)

Power Supply	
Model	PA1300 I-F
Input Connector	IEC 320-C14
Output Power	1300 W
Input Voltage	100-240 VAC
Frequency	50-60 Hz
Efficiency	94% Platinum
Typical Input Current	13.8A(100V-AC-~127V-AC) 8.5A (200V-AC~240V·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)	0-16,404.20 ft. (0-5,000 m)
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-S6920-4S-FA	M2-S6920-4S switch, 4 slots, 4*AC power modules, 6*fan modules, front-to-rear airflow
SM6900-32C	32-port 100GbE line card
M2EFAN I-F	Fan module, supporting 5+1 redundancy, hot swap, and front-to-rear airflow
PA1300 I-F	Power module, supporting 2+2 redundancy, hot swapping, and 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.

Address: 250W Tasman Drive. San Jose

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