Overview

The M2-S6000-48GT4X is launched by Micas Networks for next-generation data centers and cloud computing. It provides GE access and flexible and scalable 10GE uplink data exchange. With the non-blocking, virtualized, and green design, the switch addresses such problems as the excessive number of devices, high cost, and traffic burst confronting conventional data centers, which is suitable to build a cloud computing network. With a new hardware architecture and HULKOS modular operating system, the switch provides more resource entries, faster hardware processing performance, and better operation experience, allowing for high-density access and high-performance aggregation

Front View

Back View

Product Highlights

Non-blocking Hyperscale Data Center Networks

- Various ports - 48 x 10/100/1000 Mbps electrical ports with auto-negotiation, 4 x 1GE/10GE SFP+ ports

Energy-Saving Design

- advanced energy-efficient circuit design and components, thereby reducing power consumption and noise
- Support Energy Efficient Ethernet (EEE) and auto-power-off function

Data Center Oriented Design

- High efficient power supplies
- 1+1 hot pluggable Power & pluggable Fan Support
- Built-in advanced features without additional licensing: SDN, ,MPLS and sFlow

Parameter Specifications

System Specifications	
Switch Model	M2-S6000-48GT4X
Ports	48×10/100/1000 BASE-T+ 4×10GbE SFP+
Max 400GbE Ports	-
Max 200GbE Ports	-
Max 100GbE Ports	-
Max 50GbE Ports	-
Max 40GbE Ports	-
Max 25GbE Ports	-
Max 10GbE Ports	4
Max 1GbE Ports	52
Console Port	1 RJ45, 1 Mini USB
MGMT Port	1
USB Port	1
Switching Capacity (FDX)	176Gbps
Packets/Second	192Mpps
CPU	1.0 GHz Dual-Core
System Memory	1GB
System Storage	512M(eMMC)
Packet Buffer	4MB
Temperature Alarm	Supports temperature alarm and overtemperature protection
Power Supplies	2 (1+1 redundant, hot-swappable)
Fans	1
OS	HULKOS
Airflow Options	Standard and reversed airflow
Max/Typical Power	60W/50W
Consumption Dimensions (W x D x H)	17.32 in. x 11.81 in. x 1.73 in. 440 mm x 300 mm x 44mm 1RU
Weight (with all modules)	15.32 lbs(6.95 kg)

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Power Supply	
Model	PA70II
Input Connector	IEC 320-C14
Output Power	70W
Input Voltage	100-240 VAC
Frequency	50-60 Hz
Efficiency	85%
Typical Input Current	2A

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

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Ordering Information

Product ID	Product Description
M2-S6000-48GT4X-FA	48 x 10/100/1000 Mbps electrical ports with auto-negotiation, 4 x 1GE/10GE SFP+ ports. The switch is installed with two PA70II modules and one M6000E-FAN-F fan module.
M2-S6000-48GT4X-RA	48 x 10/100/1000 Mbps electrical ports with auto-negotiation, 4 x 1GE/10GE SFP+ ports. The switch is installed with two PA70II modules and one M6000E-FAN-R fan module.
M6000E-FAN-F	Fan module (front-to-rear airflow)
M6000E-FAN-R	Fan module (Rear-to-front airflow)
PA70II	AC Power module

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.