

## White Box Switch

# M2-W6010-48GT4X



Front View



Back View

## Overview

The M2-W6010-48GT4X white box switch is a new generation of high-density management network switches, it can support 48 gigabit electrical ports and 4 10-gigabit optical ports, and help to build a highly reliable management network. Meanwhile, M2-W6010-48GT4X switch is Micas' switch product for next-generation data centers and cloud computing. It provides full gigabit and flexible expansion of 10-gigabit uplink data interaction capability.

## Product Highlights

### First-class Performance

- 48 × 10/100/1000 Mb RJ-45 Ports & 4 × 1/10G SFP+ Ports
- Up to 176 Gbps (full duplex)

### Resilient Configuration

- CTC7132
- Dual-core ARM V8 A53 processor
- DDR4 4GB
- System storage 64GB

### Cloud Networking Ready

- 9MB embedded packet shared buffer
- Up to 196K MAC and 112K Host entries
- \* The above table is the maximum capacity that the switching chip can provide.

### Outstanding OS Compatibility

- Loaded with Open Network Install Environment (ONIE) software installer and OpenBMC
- Compatible with software for SONiC

## Specifications

Switch Model	M2-W6010-48GT4X
Ports	48×1G + 4×10G
Max 10GbE Ports	4
Max 1GbE Ports	48
MGMT Port	1
Console Port	1
USB Port	1
Switching Capacity	176Gbps
Packets/Second	N/A
CPU	Dual-Core ARM
System Memory	DDR4 4GB
System Storage	64GB
BMC Option	Yes
Switch ASIC	Centec CTC7132
Packet Buffer	N/A
Temperature Alarm	Supports temperature alarm and overtemperature protection
Power Supplies	2 (1+1 redundant, unpluggable)
Fans	2 (1+1 redundant, unpluggable)
OS	SONiC
Airflow Options	Standard* and reversed** airflow
Max/Typical Power Consumption	70W/61.6W
Dimensions (W x D x H)	17.32 × 11.81 × 1.70 in. 440 × 300 × 43.1 mm, 1RU
Weight (with all modules)	9.03 pounds (4.1kg)

\* Standard: Front to rear

\*\*Reversed: Rear to front

## Network Operating System

This product supports SONiC, a leading open networking operating system. Micas Networks provides various SONiC offerings, including customization and integration services. Learn more about the offers at the Micas Networks dedicated page.

## Power Supply

Output Power	70W
Input Voltage Range	100-240 VAC
Frequency	50~60Hz
Typical Input Current	≤2A
DC Input High-Voltage	240VDC
DC Input Current	≤2A

## Standard Compliance

EMC Standards	FCC CFR Title 47, Part 15, Subpart B ICES-003 Issue 7 ANSI C63.4
Safety	EN 62368-1 IEC 62368-1
Certifications	FCC; IC; cTUVus; CE
European Union Directives	Low Voltage Directive 2014/35/EU EMC Directive 2014/30/EU Directive 2012/19/EU Directive 2011/65/EU

## Environmental

Operating Temperature	32 to 113° F (0 to 45°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

# Order Information

## Switch

### Product ID

M2-W6010-48GT4X-FA

### Product Description

M2-W6010-48GT4X switch,  
48\*10/100/1000Base-T, 4\*1G/10G SFP+, 2\* built-in power modules, 2\*  
built-in fan modules, front-to-rear airflow.

M2-W6010-48GT4X-RA

M2-W6010-48GT4X switch,  
48\*10/100/1000Base-T, 4\*1G/10G SFP+, 2\* built-in power modules, 2\*  
built-in fan modules, rear-to-front airflow.

Products	Hardware Support			Support (OS/ Firmware)	Remote Technical Support	
	Warranty Period	RMA/DOA - Return for Repair (RFR)*	Advance Hardware Replacement (AHR)*	Software Updates	TAC Support	Online Self-Services Support
M2-W6010-48GT4X	3 Year	9x5x15CD-Ship		✓	✓	✓

## Support Service

### Device maintenance service

- 9x5x15CD-Ship Basic RFR Service
- 9x5xNBD Standard AHR Service
- 10x7xND Silver AHR Service
- 24x7x4 Golden AHR Service
- 9x5xNBD Standard Onsite Service
- 10x7xND Silver Onsite Service
- 24x7x4 Golden Onsite Service

### Device maintenance service

- Hardware Installation Service
- Software & Network Configuration Service

### Value-added service service

- Critical Moment Onsite Support
- Man-day Service

## For more information

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