

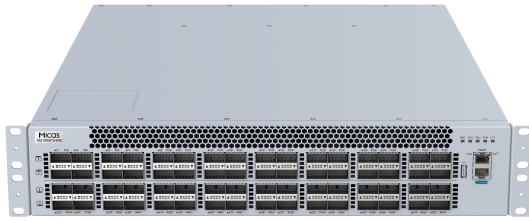
## White Box Switch

# M2-W6910-64C

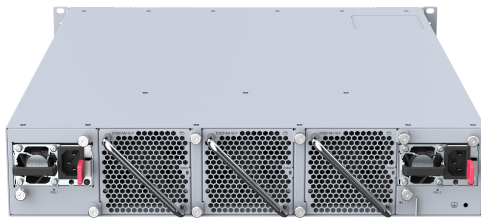
## Overview

The M2-W6910-64C switch is a new generation high density 100GbE switch designed for cloud-scale data center and campus networks, which provide a powerful cache capacity and advanced scheduling mechanism driven large scale line-rate non-blocking network.

M2-W6910-64C provides 64-port backward-compatible 100GbE QSFP28 interface to transparently migrate existing data center fabrics from 40Gbps speeds to 100Gbps. The platform provide hot-pluggable 1+1 redundancy power module and 2+1 redundancy cooling fan module to meet the high reliability requirement of datacenter and carrier networks.



Front View



Back View

## Product Highlights

### First-class Performance

- 64 × QSFP28 100GbE Ports
- Up to 12.8 Tbps (full duplex)
- Up to 4400 Mpps

### Resilient Configuration

- Broadcom BCM56970 (Tomahawk 2)
- Intel Xeon D-1527 Processor (Formerly Broadwell DE)
- 8GB DRAM
- System storage ≥ 240GB

### Data Center Oriented Design

- Typical power of under 4.5W per 100GbE port
- 1+1 redundant & hot-swappable power
- 2+1 redundant & hot-swappable fans

### Cloud Networking Ready

- Shared 42MB Buffer with burst absorption
- Up to 264K MAC and 128K Host entries
- Ipv4: 76K min./128K max. L3 hosrs/extended;
- Ipv6: 46K min./64K max. L3 hosrs/extended;
- \* The above table is the maximum capacity that the switching chip can provide.

### Fully-loaded Software Functions

- BGP, route policies, ARP in host routing, load balance based on LAG/ECMP, Interface ACL, Global ACL, etc.

# Specifications

Switch Model	M2-W6910-64C
Ports	64x100GbE QSFP28
Max 100GbE Ports	64
Max 50GbE Ports	-
Max 40GbE Ports	64
Max 25GbE Ports	80
Max 10GbE Ports	-
Max 1GbE Ports	-
MGMT Port	1
Console port	1
USB Port	1
Switching Capacity	12.8Tbps
Packets/Second	4400Mpps
CPU	Intel Xeon D-1527
System Memory	8GB (Up to 32GB) 240GB
System Storage	N/A
BMC Option	AST2520
Switch ASIC	Broadcom BCM56970(Tomahawk 2)
Packet Buffer	42MB
Temperature Alarm	Supports temperature alarm and overtemperature protection
Power Supplies	2 (1+1 redundant, hot-swappable)
Fans	3 (2+1 redundant, hot-swappable)
OS	SONiC
Airflow Options	Standard* airflow
Max/Typical Power Consumption	731W/410W
Dimensions (W x D x H)	17.4 in. x 23.93 in. x 3.39 in. 442 mm x 608 mm x 86.1 mm, 2RU
Weight (with all modules)	44.09 lbs (20kg)

\* Standard: Front to rear

# 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

Model	PA800 I-F
Input Connector	IEC 320-C14
Output Power	800W
Input Voltage	100-240 VAC
Typical Input Current	10-5A
Frequency	50-60 Hz
Efficiency	94% Platinum

## Standard Compliance

EMC Standards	FCC CFR Title 47, Part 15, Subpart B ICES-003 Issue 7
Safety	ANSI C63.4 EN 62368-1
Certifications	IEC 62368-1 FCC; IC; cTUVus

## Environmental

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)

# Order Information

## Switch

### Product ID

M2-W6910-64C-FA

### Product Description

M2-W6910-64C switch, 64\*100G QSFP28, 2\*AC power modules, 3\*fan modules, front-to-rear airflow.

## Fan and Power Supply

### Model

P2EFAN III-F

### Product Description

Fan module, front-to-rear airflow.

PA800 I-F

AC power supply module, front-to-rear 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-W6910-64C	3 Year	9x5x15CD-Ship		✓	✓	✓

## Support Service

### Device maintenance

9x5x15CD-Ship Basic RFR Service

9x5xNBD Standard AHR Service

10x7xND Silver AHR Service

24x7x4 Golden AHR Service

9x5xNBD Standard Onsite

### Device maintenance

Hardware Installation Service

Software & Network Configuration

### Value-added service

Critical Moment Onsite Support

Man-day Service

## For more information

+1(669)666-7653 | [info@micasnetworks.com](mailto:info@micasnetworks.com)

250 W Tasman Dr. Ste 170, San Jose, CA 95134

[www.micasnetworks.com](http://www.micasnetworks.com) or contact your local Micas Networks sales representative