

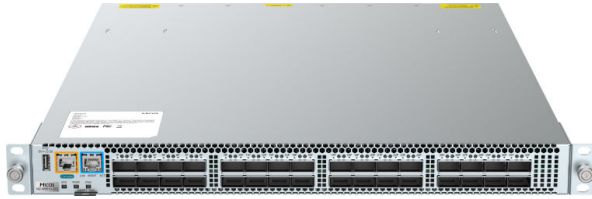
## White Box Switch

# M2-W6510-32C

## Overview

The M2-W6510-32C is a 32-port 100 GbE QSFP28 switch designed for carrier/enterprise aggregation, data center top-of-rack/spine networks. It provides 1 management port, 1 console port, 1 USB port and 5 fan slots, which supports 4+1 fan redundancy. The device operates in the ambient temperature of 0°C to 40°C, and supports the forward and reversed airflow.

M2-W6510-32C uses the BCM56870 chip and offers a maximum switching bandwidth of up to 6.4 Tbps (full duplex).



Front View



Back View (Front-to-Rear Airflow)



Back View (Rear-to-Front Airflow)

## Product Highlights

### First-class Performance

- 32 × QSFP28 100/40GbE Ports
- Up to 6.4 Tbps (full duplex)
- Up to 2003.4 Mpps

### Resilient Configuration

- Broadcom BCM56870 (Trident 3)
- Intel Xeon D-1527 Processor (Formerly Broadwell DE)
- System memory 8GB DRAM(up to 32GB)
- System storage ≥240GB

### Data Center Oriented Design

- Typical power of under 4W per 100GbE port
- Over 94% efficient power supplies
- Tool less maintenance and simple installation

### Cloud Networking Ready

- Shared 32MB Buffer with burst absorption
  - Up to 288K MAC and 168K Host entries
  - Over 324K IPv4 Routes
  - Over 168K IPv6 Routes
- \* 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-W6510-32C
Ports	32×100GbE QSFP28
Max 100GbE Ports	32
Max 50GbE Ports	64
Max 40GbE Ports	32
Max 25GbE Ports	128
Max 10GbE Ports	128
Max 1GbE Ports	-
MGMT Port	1
Console Port	1
USB Port	1
Switching Capacity	6.4Tbps
Packets/Second	2003.4Mpps
CPU	Intel Xeon D-1527
System Memory	8GB (Up to 32GB)
System Storage	240GB
BMC Option	AST2520
Switch ASIC	Broadcom BCM56870 (Trident3)
Packet Buffer	32MB
Temperature Alarm	Supports temperature alarm and overtemperature protection
Power Supplies	2 (1+1 redundant, hot-swappable)
Fans	5 (4+1 redundant, hot-swappable)
OS	SONiC
Airflow Options	Standard* and reversed**
Max/Typical Power Consumption	450W/270W
Dimensions (W x D x H)	17.40in × 22.04 in× 1.73 in. 442 mm x 560 mm x 44 mm, 1RU
Weight (with all modules)	31.97 lbs (14.5KG)

\* 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

Model	PA550II-F/R
Input Connector	IEC 320-C14
Output Power	550 W
Input Voltage	100-240 VAC
Typical Input Current	7.2A ~ 3.5A
Frequency	50-60 Hz
Efficiency	94% Platinum

## Standard Compliance

EMC Standards	FCC CFR Title 47, Part 15, Subpart B ICES-003 Issue 7
Safety	EN 62368-1 EN BS 62368-1 IEC 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

## 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

### Model

M2-W6510-32C-FA

### Product Description

32×100G QSFP28, 2×AC power modules, 5×fan modules, front-to-rear airflow.

M2-W6510-32C-RA

32×100G QSFP28, 2×AC power modules, 5×fan modules, rear-to-front airflow.

## Fan and Power Supply

### Model

M1HFAN III-F

### Product Description

Fan module for front-to-rear airflow.

M1HFAN III-R

Fan module for rear-to-front airflow.

PA550II-F

AC power supply module, front-to-rear airflow.

PA550II-R

AC power supply module, 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-W6510-32C	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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