

C8455-G2-MX Data Sheet

Overview

The Meraki C8455-G2-MX is a Cisco Secure Router that provides Security and SD-WAN, firewall services for large campus environments, and VPN concentration for large VPN networks. Network administrators can deploy it easily and quickly using the Meraki dashboard, with minimal pre-configuration required in most locations.

The C8455-G2-MX includes 2x 25G SFP28 WAN Interfaces, 2x 10G SFP+ LAN Interfaces, and 8x SFP 1GbE dedicated LAN interfaces. The C8455-G2-MX is ready for deployment in a variety of enterprise environments. C8455-G2-MX appliances provide the following features:

Image showing the Meraki C8455-G2-MX Security & SD-WAN Appliance, highlighting its advanced routing, firewall, and VPN features for large campus networks.

Throughput and Capabilities

C8455-G2-MX	
Maximum NGFW Throughput	20 Gbps
Maximum Site-to-Site VPN Throughput	10 Gbps
Advanced Security Throughput	8 Gbps
Recommended Device Count	15,000
Maximum Recommended Tunnels	3,500
Recommended Use Case	Large Campus & VPN Concentrator

Technical Breakdown

Interfaces

WAN

- 2x SFP28 / 25 Gigabit Ethernet WAN Port

LAN

- 2x SFP+ 10 Gigabit Ethernet
- 8x SFP / 1 Gigabit Ethernet LAN Ports

Management

- 1x RJ45 Console Port
- 1x RJ45 Management Interface

Physical

Mount Type	Rack mount (19" included)
Dimensions (h x w x d)	1.73 in x 17.50 in x 12 in
Weight	12.5 lbs
Input operating voltage	85 to 264 Vac 47 to 63 Hz
Power Supply Unit	2 x 250W AC are included by default
Operating temperature	32° to 104°F (0° to 40°C)
Humidity	10 to 85% non-condensing

Accessories

Accessory	Description
MA-PWR-CORD-US	1x AC power cable, U.S. plug
MA-PWR-CORD-EU	1x AC power cable, EU plug
MA-PWR-CORD-UK	1x AC power cable, UK plug
MA-PWR-CORD-AU	1x AC power cable, AU plug
MA-PWR-CORD-BR	1X AC power cable, BR plug

Compatible Fiber Transceiver Modules

The following SFP modules are supported on the C8455-G2-MX:

SFP28/ SFP+/ SFP Module	25Gbps ports	10Gbps ports	1Gbps ports
SFP-25G-SR-S	Supported		
SFP-10/25G-CSR-S	Supported		
SFP-10/25G-LR-S	Supported		
MA-SFP-10GB-SR	Supported	Supported	
MA-SFP-10GB-LR	Supported	Supported	

SFP28/ SFP+/ SFP Module	25Gbps ports	10Gbps ports	1Gbps ports
MA-SFP-10GB-LRM	Supported	Supported	
MA-SFP-10GB-ER	Supported	Supported	
MA-SFP-1GB-TX		Supported	Supported
MA-SFP-1GB-LX10		Supported	Supported

Compatible SFP and Twinax Cables

SFP28/ SFP+/ SFP Cable	25Gbps ports	10Gbps ports	1Gbps ports
SFP-H25G-CU1M/3M/5M	Supported		
SFP-25G-AOC1M/3M/5M	Supported		
MA-CBL-TA-1M	Supported	Supported	
MA-CBL-TA-3M	Supported	Supported	

Warranty

MX Warranty coverage periods are as follows:

Product	Warranty Period	Warranty Information
C8455-G2-MX	2 Year	Cisco 8400 Series Secure Routers come standard with a Cisco Limited 2-Year Return To Factory Hardware Warranty.

Additional warranty information can be found on the [Cisco Limited Hardware Warranty Terms](#) page of the Cisco website.

If your Cisco Meraki device fails and the problem cannot be resolved by troubleshooting, contact support to address the issue. Once support determines that the device is in a failed state, they can process an RMA and send out a replacement device free of charge. In most circumstances, the RMA will include a pre-paid shipping label so the faulty equipment can be returned.

To start a hardware replacement for non-functioning equipment under warranty, use the original packaging the hardware came in. The original packaging contains the device serial number and order details, which may be needed for return shipping.

Troubleshooting

Common Event Log Messages

Common event logs exist for security appliance events. As such, no specific C8455-G2-MX event log entries are required at this time.

For more general information about navigating the Event Log and the types of Events that could be expected refer to [Event Log documentation](#).