MX450 Datasheet

Overview

The Meraki **MX450** is a Security & SD-WAN Appliance designed to provide SD-WAN Routing and UTM Firewall services for large Campus environments in addition to Secure VPN Concentration services for large VPN Topologies. It is ideal for network administrators who demand both ease of deployment and a state-of-the-art feature sets. The Meraki dashboard allows for simple and easy deployment of the MX450 with minimal preconfiguration in almost any location.

Includes 2x dedicated WAN 10G SFP+ ports. LAN Ports include 8x 10G SFP+, 8x 1G SFP, and 8x 1G RJ45 ports. The MX450 is ready for deployment in a variety of enterprise environments.

Context and Comparisons

	MX250
Maximum NAT Firewall Throughput	7.5 Gbps
Maximum NGFW Throughput	1.5 Gbps
Maximum Site-to-Site VPN Throughput	3.5 Gbps
Advanced Security Throughput	3.5 Gbps
Recommended Device Count	2,000
Recommended Use Case	SD-WAN & UTM Edge for Large Campus / VPN Concentrator for Large VPN Topologi

Technical Breakdown

Interfaces

WAN

- 2x SFP+ / 10 Gigabit Ethernet ports for WAN Uplink

LAN

- 8x SFP+ / 10 Gigabit Ethernet LAN Ports
- 8x SFP / 1 Gigabit Ethernet LAN Ports
- 8x RJ45 / Gigabit Ethernet LAN Ports

Management

- 1x RJ45 Management Interface

Physical

Mount Type	Rack mount
Dimensions **(h x d x w)**	19” x 17.3 “ x 1.75” (483 mm x 440 mm x 44 mm)
Weight	16 lb (7.3kg)
PSU model number	Modular 100-220V 50/60Hz AC 2 x 250WAC PSU
Power load (idle/max)	105W / 190W
Operating temperature	32°F to 104°F

	0°C to 40°C
Humidity	5% to 95%

Accessories

For SFPs and SFP Accessories, please refer to our SFP accessories guide.

Accessory	Description
MA-PWR-250WAC	Meraki MX250/MX450 Power Supply Unit (PSU)
MA-FAN-18K	Meraki 18K RPM system fan for MX250 and MX450
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

Warranty

MX Warranty coverage periods are as follows:

Product	Warranty Period	Warranty Information
MX450	Lifetime	Full lifetime hardware warranty with next-day advanced replacement included.
MX450 Accessories	1 Year	The following are considered accessories: SFP Modules, all mounting kits and stands, interface modules, additional

Product	Warranty Period	Warranty Information
		power cords

Additional warranty information can be found on the Return Policy and Requesting a RMA page of the Cisco Meraki 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.

In order to initiate a hardware replacement for non-functioning hardware that is under warranty, you must have access to the original packaging the hardware was shipped in. The original hardware packaging includes device serial number and order information, and may be required for return shipping.

Troubleshooting

Common Event Log Messages

Common event logs exist for security appliance events. As such, no specific MX450 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 please check out our Event Log documentation.