# 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**<br>**(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<br>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:<br><br>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.