

MX75 Datasheet

Overview

The Meraki **MX75** is an enterprise security appliance designed for distributed deployments that require remote administration across Medium branch environments. It is ideal for network administrators who demand both ease of deployment and a state-of-the-art feature set. The Meraki Dashboard allows for simple and easy deployment of the MX75 with minimal pre-configuration in almost any location.

Providing 3 dedicated WAN uplinks, 1 x GbE SFP port and 2 x RJ45 GbE ports. The LAN ports include 10 x RJ45 GbE ports. The MX75 is ready for deployment in a variety of enterprise environments. The MX75 appliance provides the following features:



Features

- Managed via Cisco Meraki Dashboard
 - Automatic Firmware upgrades
 - WAN Link Balancing
 - Automatic WAN Failover
 - Meraki AutoVPN and L2TP/IPSec VPN endpoint
 - Active Directory integration
 - Content Filtering
 - Malware Protection (AMP) w/ optional Threat Grid integration
-

- SD-WAN over Meraki AutoVPN
- L3/L7 Stateful Firewall
- Geo based firewall rules
- 1:1 and 1:Many NAT
- Configurable VLANs / DHCP support
- Static Routing
- Client VPN endpoint
- IDS/IPS protection
- Custom Traffic Shaping
- Historical Client Usage statistics
- Netflow support
- Syslog integration
- Remote Packet Capture tools

Interfaces

- 1 x 1 Gigabit Ethernet SFP port dedicated for the WAN uplinks
- 2 x RJ45 / 1 Gigabit Ethernet port dedicated for the WAN uplinks
- 8 x RJ45 / 1 Gigabit Ethernet LAN ports
- 2 x RJ45 / 1 Gigabit Ethernet LAN ports with PoE+ capabilities
- 1 x USB 3.0 port

Context and Comparisons

	<u>MX75</u>	<u>MX85</u>
# of WAN Uplinks	3	4
Stateful Firewall Throughput	1 Gbps	1 Gbps
Maximum VPN Throughput	1 Gbps	1 Gbps
Advanced Security Throughput	1 Gbps	1 Gbps
PoE Capabilities	Yes, 2x RJ45 / 1 Gigabit Ethernet port (LAN)	Yes, 1x RJ45 / 1 Gigabit Ethernet port (WAN)

Technical Breakdown

WAN Interface

<u>MX75</u>	<u>MX85</u>
1 x Dedicated 1 Gigabit Ethernet SFP 2 x Dedicated 1 Gigabit Ethernet RJ45	2x Dedicated 1 Gigabit Ethernet SFP 2x Dedicated 1 Gigabit Ethernet RJ45

Note: The MX firmware currently supports a maximum of two Active WAN Uplinks. For more information about the interface behaviors, please refer to our [WAN behavior on MX75/85/95/105 documentation](#) and [MultiWAN_Backup_Uplink](#).

LAN Interface

<u>MX75</u>	<u>MX85</u>
10 x Dedicated 1 Gigabit Ethernet RJ45	8 x Dedicated 1 Gigabit Ethernet RJ45 2 x Dedicated 1 Gigabit Ethernet SFP

Throughput and Capabilities

	<u>MX75</u>	<u>MX85</u>
Recommended Device Count	Small branch with up to 200 devices	Small to medium branch with up to 250 devices
Max site-to-site VPN Throughput	1 Gbps	1 Gbps
Max Concurrent site-to-site VPN Tunnels	75	200
Max Stateful Firewall Throughput	1 Gbps	1 Gbps
Max Throughput with All Advanced Security features*	1 Gbps	1 Gbps

Physical

	<u>MX75</u>	<u>MX85</u>
Mount Type	Desktop	Rack Mount

Dimensions (h x d x w)	1.06" x 5.83" x 11.14" 27 x 148 x 283 mm	1.7" x 9.8" x 19" 43.8 x 250 x 484.6mm
Weight	1.87 lb (0.85kg)	8.2lb (3.7kg)
Input Operating Voltage	90-264VAC (47-63Hz)	90-264VAC (47-63Hz)
PSU Model Number	MA-PWR-100WAC-A	N/A
Power Load (idle/max)	12W / 96W	12W / 55W
Fan	Yes	No
Operating Temperature	32°F to 113°F (0°C to 45°C)	32°F to 104°F (0°C to 40°C)
Humidity	5% to 95%	5% to 95%

Accessories

Accessory	Description
MA-PWR-100WAC-A	Meraki MX Replacement Power Adapter (100 Watts AC)
MA-PWR-CORD-US	1x AC Power Cable, US 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

Compatible Fiber Transceiver Modules

Product ID	Fiber Type
------------	------------

MA-SFP-1GB-SX	Multi-Mode Fiber (MMF)
MA-SFP-1GB-LX10	Single-Mode Fiber (SMF)
MA-SFP-1GB-TX	N/A (RJ45 Copper SFP)

Note: Please refer to the [Meraki SFP Datasheet](#) for additional information about the single-mode and multi-mode fiber transceiver modules

Troubleshooting

Common Event Log Messages

Common event logs exist for wired events. As such, no specific MX75 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](#).

Warranty

MX Warranty coverage periods are as follows:

Product	Warranty Period	Warranty Information
MX75	Lifetime	Full lifetime hardware warranty with next-day advanced replacement included.
MX75 Accessories	1 Year	The following are considered accessories: SFP Modules, all mounting kits and stands, interface modules, additional 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.

Meraki MX75 devices have been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. A digital device that is marketed for use in a residential environment notwithstanding use in commercial, business and industrial environments.