# 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
- 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
- Meraki AutoVPN and L2TP/IPSec VPN endpoint
- Active Directory integration
- Content Filtering
- Malware Protection (AMP) w/ optional Threat Grid integration
- 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

| | MX75 | MX85 |
|---|---|---|
| **# 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

| MX75 | MX85 |
|---|---|
| 1 x Dedicated 1 Gigabit Ethernet SFP<br>2 x Dedicated 1 Gigabit Ethernet RJ45 | 2x Dedicated 1 Gigabit Ethernet SFP<br>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

| MX75 | MX85 |
|---|---|
| 10 x Dedicated 1 Gigabit Ethernet RJ45 | 8 x Dedicated 1 Gigabit Ethernet RJ45<br>2 x Dedicated 1 Gigabit Ethernet SFP |

## Throughput and Capabilities

| | MX75 | MX85 |
|---|---|---|
| **Recommended Use Case** | Small branch with up to 200 users | Small to medium branch with up to 250 users |
| **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

| | MX75 | MX85 |
|---|---|---|
| **Mount Type** | Desktop | Rack Mount |
| **Dimensions** | 1.06" x 5.83" x 11.14" | 1.7" x 9.8“ x 19” |
| **(h x d x w)** | 27 x 148 x 283 mm | 43.8 x 250 x 484.6mm |
| **Weight** | 1.87 lb (0.85kg) | 8.2lb (3.7kg) |

| | | |
|---|---|---|
| **Input Operating Voltage** | 90-264VAC<br>(47-63Hz) | 90-264VAC<br>(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<br>(0°C to 45°C) | 32°F to 104°F<br>(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:<br>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.