

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

| | <u>MX75</u> | <u>MX85</u> |
|-------------------------------------|--|--|
| # of WAN Uplinks | 3 | 4 |
| Stateful Firewall Throughput | 1 Gbps | 1 Gbps |
| Maximum VPN Throughput | 500 Mbps | 500 Mbps |
| Advanced Security Throughput | 750 Mbps | 750 Mbps |
| PoE Capabilities | Yes, 2x RJ45 / 1 Gigabit Ethernet port (LAN) | Yes, 1x RJ45 / 1 Gigabit Ethernet port (WAN) |

Technical Breakdown

WAN Interface

MX75

1 x Dedicated 1 Gigabit Ethernet SFP
2 x Dedicated 1 Gigabit Ethernet RJ45

MX85

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](#).

LAN Interface

MX75

10 x Dedicated 1 Gigabit Ethernet RJ45

MX85

8 x Dedicated 1 Gigabit Ethernet RJ45
2 x Dedicated 1 Gigabit Ethernet SFP

Throughput and Capabilities

| | <u>MX75</u> | <u>MX85</u> |
|---|-----------------------------------|---|
| 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 | 500 Mbps | 500 Mbps |
| Max Concurrent site-to-site VPN Tunnels | 75 | 200 |
| Max Stateful Firewall Throughput | 1 Gbps | 1 Gbps |
| Max Throughput with All Advanced Security features | 750 Mbps | 750 Mbps |

Physical

| | <u>MX75</u> | <u>MX85</u> |
|--------------------|------------------------|----------------------|
| 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 | 90-264VAC |
| | (47-63Hz) | (47-63Hz) |
| PSU Model Number | MA-PWR-100WAC | N/A |
| Power Load (idle/max) | 12W / 96W | 12W / 55W |
| Operating Temperature | 32°F to 113°F | 32°F to 104°F |
| | (0°C to 45°C) | (0°C to 40°C) |
| Humidity | 5% to 95% | 5% to 95% |

Accessories

| Accessory | Description |
|-----------------------|----------------------------|
| 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

There are currently no MX75 specific Event Log entries, 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](#).
