cisco Meraki

MX84 Overview and Specifications

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Overview

The Meraki MX84 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 MX84 with minimal pre-configuration in almost any location. Providing 2 dedicated WAN uplinks, 8 GbE RJ45 ports, and 2 SFP ports, the MX84 is ready for deployment in a variety of enterprise environments.

Features

- Managed via the 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

- 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

- Static Routing

- Client VPN endpoint

- Remote Packet Capture tools

Hardware Features

- Dual Dedicated WAN uplinks

- A built-in USB port for failover cellular support

- 2 SFP ports

Configuration

The basic initial configuration of the MX84 is just as simple as any other MX models. The links below provide additional information and instructions relating to each step in getting the device setup and configured for the first time.

1. Claim the device to an Organization on the Meraki Dashboard
   a. If a Dashboard Organization does not yet exist, Create one
2. Add the device to a Dashboard Network
   a. If a Network does not yet exist, Create one first
3. Physically connect the device to the local network
   a. Ensure the wireless antennas are connected correctly (Wireless models only)
   b. Power on the device and let it check in to the Dashboard
   c. If necessary, configure a Static IP on the WAN interface through the Local Status Page to allow it to check in.
4. Finish configuring the device from the Meraki Dashboard
   a. Manage local VLANs
   b. Modify Firewall rules
   c. Configure VPN connectivity

Context and Comparisons

Description	MX65	MX84
Dual WAN Uplinks	Yes	Yes
Backup Cellular Uplink	Via 3rd Party USB Modem	Via 3rd Party USB Modem
Stateful Firewall Throughput	250 Mbps	500 Mbps
Maximum VPN Throughput	100 Mbps	250 Mbps

Description	MX65	MX84
Advanced Security Throughput	200 Mbps	320 Mbps
Maximum Concurrent VPN Tunnels	50	100
PoE Capabilities	Yes, 2x GbE RJ45 LAN Ports	-
Recommended LAN Clients	50	200

Technical Breakdown

Physical Interfaces

WAN interface	2x Dedicated GbE RJ45
Cellular interface	1x Cellular uplink via 3rd party USB Modem
LAN Interface	8x Dedicated GbE RJ45 ports, 2x Dedicated GbE SFP ports
Management Interface	1x Dedicated management port.

Throughput and Capabilities

Description	MX84
Recommended Maximum LAN Clients	200
Max Stateful Firewall Throughput in NAT mode	500 Mbps
Max VPN Throughput	250 Mbps
Max Concurrent VPN Tunnels (Site-to-Site or Client VPN)	100

Physical

Description	MX84
Mount Type	1U Rack
Dimensions **(h x d x w)**	19 x 10 x 1.75in (483 mm x 254mm x 44 mm)

Weight	9 lb (4.1kg)
Power Supply	Internal 100-220V
Power Load (idle/max)	26W / 32W
Operating Temperature	32°F - 104 °F 0°C - 40°C
Humidity	5% to 95%

Accessories

Accessory	Description
MA-SFP-1GB-SX	Cisco Meraki 1 GbE SFP SX Fiber Module (1000BASE-SX, range: 550m)
MA-SFP-1GB-TX	Cisco Meraki 1 GbE RJ45 Copper Module (1000BASE-T for twisted pair)
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

Common Event Log Messages

There are currently no MX84 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.