

Cisco Meraki MX85-HW

Cloud-Managed Security & SD-WAN Appliance

DATASHEET

Product Overview: The Cisco Meraki MX85-HW is a high-performance, 1U rack-mountable security appliance designed for medium-sized branch offices and corporate locations. Supporting up to 250 concurrent users, it features flexible WAN connectivity with dedicated SFP fiber and RJ45 ports, built-in PoE+ capabilities, automated SD-WAN, and advanced security services managed entirely through the cloud.

1 Gbps

STATEFUL FW
THROUGHPUT

750 Mbps

ADVANCED SECURITY

500 Mbps

SITE-TO-SITE VPN

250

RECOMMENDED USERS

HARDWARE & INTERFACE SPECIFICATIONS

Interface Category	Specification Details
Dedicated WAN Ports	4 Uplinks: 2× 1 GbE SFP Fiber Slots, 2× 1 GbE RJ45 Ports
Dedicated LAN Ports	10 Ports Total: 8× 1 GbE RJ45, 2× 1 GbE SFP Fiber Slots
Power over Ethernet (PoE)	2× RJ45 LAN Ports with PoE+ capabilities (IEEE 802.3at)
Cellular / Failover Port	1× USB 3.0 Port (Supports 3G/4G/5G USB cellular modems)
Form Factor	1U Rack-Mountable (Rack-mount mounting hardware included)

PERFORMANCE & SCALE

Max Stateful Firewall	1,000 Mbps (1 Gbps)
Advanced Security Throughput	750 Mbps (NGFW, IPS/IDS, AMP enabled)
Site-to-Site AutoVPN	500 Mbps throughput
Max Concurrent VPN Tunnels	250 Tunnels
Target Environment	Medium Branch Offices / Enterprise Sites (up to 250 users)

PHYSICAL & POWER CHARACTERISTICS

Dimensions (W × D × H)	482.6 mm × 262.8 mm × 43.8 mm (19.0" × 10.35" × 1.73") – Standard 1U
Weight	3.12 kg (6.88 lbs)
Power Supply Unit	Internal 100W AC Power Supply Unit
Power Draw	12W Idle / 96W Max (Fully loaded with PoE draw)
Operating Conditions	Temperature: 0°C to 40°C (32°F to 104°F) Humidity: 5% to 95% non-condensing

KEY SOFTWARE & SECURITY CAPABILITIES

Centralized Cloud Dashboard

Zero-touch deployment, full visibility across WAN/LAN, centralized policy definition, and integrated firmware management.

Zero-TouchCloud Managed

SD-WAN & Multi-WAN Resilience

Dual-WAN load balancing, dynamic path selection, active-active VPN links, sub-second outage failover, and AutoVPN mesh support.

AutoVPNDual SFP WAN

Advanced Cybersecurity (NGFW)

Snort-based Intrusion Prevention System (IPS), Cisco Advanced Malware Protection (AMP), URL filtering, and Geo-IP access lists.

Snort IPSCisco AMP

Application Control & QoS

Layer 7 deep packet inspection (DPI), application-aware traffic shaping, custom priority queues for VoIP/Video, and bandwidth caps.

Layer 7 DPIVoIP QoS

LICENSING TIERS COMPARISON

Feature / Capability	Enterprise	Advanced Security	SD-WAN Plus
Cloud Management & L3/L7 Firewall	✓	✓	✓
AutoVPN & SD-WAN Routing	✓	✓	✓
Content Filtering & Cisco AMP	—	✓	✓
Snort IPS/IDS & Threat Intelligence	—	✓	✓
Machine Learning Analytics & Smart SaaS Pathing	—	—	✓

ORDERING INFORMATION & ACCESSORIES

Part Number	Description
MX85-HW	Cisco Meraki MX85 Security Appliance (Hardware Unit)
LIC-MX85-ENT-1Y	Cisco Meraki MX85 Enterprise License and Support (1 Year)
LIC-MX85-SEC-1Y	Cisco Meraki MX85 Advanced Security License and Support (1 Year)
MA-SFP-1GB-SX	Cisco Meraki 1 GbE SFP SX Fiber Transceiver
MA-PWR-CORD-US	Standard AC Power Cord (US/EU/UK/AU options available)

Warranty & Support: The MX85-HW includes Cisco Meraki's standard limited lifetime hardware warranty with Advanced Next Business Day (NBD) replacement, alongside 24x7 technical support and continuous cloud firmware updates included with an active Meraki license.