

Cisco Meraki MX105-HW

Cloud-Managed Security & SD-WAN Appliance

DATASHEET

Product Overview: The Cisco Meraki MX105-HW is a high-density 1U rack-mountable enterprise security appliance designed for large branch environments, corporate headquarters, and regional campuses. Supporting up to 750 concurrent users, it features dual modular power supplies, 10 GbE SFP+ optical uplinks, 2.5 GbE mGig connectivity with PoE+, AutoVPN capabilities, and 3 Gbps firewall performance fully managed via the Meraki Dashboard.

3 Gbps

STATEFUL FW
THROUGHPUT

1.5 Gbps

ADVANCED SECURITY

1 Gbps

SITE-TO-SITE VPN

750

RECOMMENDED USERS

HARDWARE & INTERFACE SPECIFICATIONS

Interface Category	Specification Details
Dedicated WAN Ports	4 Uplinks: 2x 10 GbE SFP+ Fiber Slots, 2x 2.5 GbE RJ45 Ports (1x PoE+)
Dedicated LAN Ports	6 Ports Total: 4x 1 GbE RJ45 Ports, 2x 10 GbE SFP+ Fiber Slots
Power over Ethernet (PoE)	1x RJ45 2.5 GbE WAN Port with PoE+ capabilities (IEEE 802.3at)
Cellular / Failover Port	1x USB 3.0 Port (Supports 3G/4G/5G USB cellular modems)
Form Factor	1U Rack-Mountable (Includes 19" rack-mount hardware kit)

PERFORMANCE & SCALE

Max Stateful Firewall	3,000 Mbps (3 Gbps)
Advanced Security Throughput	1,500 Mbps (1.5 Gbps NGFW, IPS/IDS, AMP enabled)
Site-to-Site AutoVPN	1,000 Mbps (1 Gbps throughput)
Max Concurrent VPN Tunnels	1,000 Tunnels
Target Environment	Large Branch Offices / Regional HQ Campuses (up to 750 users)

PHYSICAL & POWER CHARACTERISTICS

Dimensions (W x D x H)	484.6 mm x 315.0 mm x 44.0 mm (19.08" x 12.4" x 1.73") — Standard 1U
Weight	4.87 kg (10.74 lbs) with 2 Fans and 2 PSUs inserted
Power Supply Unit	Dual Removable Modular Power Supplies (MA-PWR-150WAC)
Power Draw	53W Idle / 123W Max Load
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 configuration deployment, site-to-site VPN orchestration, centralized network health analytics, and automated firmware delivery.

Zero-Touch10G Optics

SD-WAN & Modular Power

Dual 10G SFP+ WAN links with dynamic path selection, hot-swappable dual power supplies, active-active tunnels, and sub-second failover.

Dual Modular PSUAutoVPN Mesh

Next-Gen Cybersecurity (NGFW)

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

Snort IPSCisco AMP

Application Visibility & QoS

Layer 7 deep packet inspection (DPI), policy-based application routing, custom bandwidth allocation for critical enterprise traffic, and client caps.

Layer 7 DPITraffic Shaping

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
MX105-HW	Cisco Meraki MX105 Security Appliance (Hardware Unit)
LIC-MX105-ENT-1Y	Cisco Meraki MX105 Enterprise License and Support (1 Year)
LIC-MX105-SEC-1Y	Cisco Meraki MX105 Advanced Security License and Support (1 Year)
MA-PWR-150WAC	Meraki MX105 Removable 150W AC Power Supply Unit
MA-SFP-10GB-SR	Cisco Meraki 10 GbE SFP+ SR Fiber Transceiver Module

Warranty & Support: The MX105-HW is backed by Cisco Meraki's full lifetime hardware warranty with Next Business Day (NBD) advanced replacement, complemented by 24x7 phone support and continuous firmware upgrades included under an active subscription license.