

Cisco Meraki MX68

Cloud-Managed Security & SD-WAN Appliance

Product Data Sheet
SKU: MX68-HW

The **Cisco Meraki MX68 (MX68-HW)** is a powerful, desktop cloud-managed security appliance designed for small branch offices and remote locations (up to 50 users). Engineered with integrated SD-WAN capabilities, 10 Gigabit Ethernet ports (including 2 PoE+ ports), and central management via the intuitively designed Cisco Meraki Dashboard, it provides seamless zero-touch deployment and robust threat security.

KEY VALUE HIGHLIGHTS

Cloud Management

100% cloud-managed via Meraki Dashboard with zero-touch remote provisioning and automated firmware updates.

Integrated PoE+ Support

Includes 2 x 802.3at PoE+ ports (30W total power budget) to directly power IP phones, APs, or cameras.

Dual WAN & Cellular Failover

Dual GbE WAN ports with active-active VPN balancing and optional USB cellular modem failover for 99.99% uptime.

Advanced Security (UTM)

Snort-powered IPS, Cisco Advanced Malware Protection (AMP), and Google SafeSearching URL filtering.

PERFORMANCE & CAPACITY SPECIFICATIONS

Parameter	Specification Standard
Recommended Users	Up to 50 Clients
Stateful Firewall Throughput	450 Mbps
Advanced Security Throughput (UTM)	300 Mbps
Site-to-Site VPN Throughput	200 Mbps
Maximum Concurrent Sessions	64,000 Connections
Site-to-Site VPN Tunnels	50 Tunnels
Integrated PoE Power Budget	30W Total (802.3at PoE+ on Ports 11 & 12)

HARDWARE ARCHITECTURE & INTERFACES

- Dedicated WAN Ports:** 2 x 10/100/1000BASE-T RJ-45 Gigabit Ethernet ports.
- LAN Switch Ports:** 10 x 10/100/1000BASE-T RJ-45 Gigabit Ethernet ports.
- Power over Ethernet:** Ports 11 and 12 support IEEE 802.3at PoE+ (up to 30W output budget).
- USB Interface:** 1 x USB 2.0 port for 3G/4G/LTE USB cellular failover modems.
- Form Factor:** Compact desktop unit (Optional rack mount kit available).

SOFTWARE FEATURES & SECURITY SERVICES

Feature Area	Capabilities & Descriptions
SD-WAN Services	Auto VPN, dynamic path selection, dual-WAN link balancing, application-based routing.
Next-Gen Firewall	Layer 7 application visibility and control (AVC), identity-based security policy management.
Intrusion Prevention	PCI-compliant Snort 3 IPS engine driven by Cisco Talos dynamic vulnerability feeds.
Malware Protection	Cisco Secure Endpoint (AMP) with file reputation scoring and automated malicious file blocking.
Web Filtering	Content filtering across 80+ categories, Google/Bing SafeSearch enforcement, YouTube restrict.

PHYSICAL, POWER & ENVIRONMENTAL SPECIFICATIONS

Dimensions & Physical Specifications • Dimensions (H x W x D): 1.0 x 11.2 x 5.2 in (27 x 284 x 132 mm) • Weight: 2.1 lbs (0.95 kg) • Mounting: Desktop or Wall Mountable	Power Supply & Operating Environment • Power Supply: External 100-240V AC to 54V DC Power Adapter • Power Consumption: 50W Max (17W idle without PoE load) • Operating Temp: 32 to 104°F (0 to 40°C)
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LICENSING & FEATURE SUBSCRIPTIONS

Cisco Meraki hardware requires an active dashboard license. Licenses are available in Enterprise and Advanced Security tiers:

License Tier	Included Capabilities
Enterprise License	Stateful Firewall, Auto VPN, SD-WAN, Layer 7 AVC, DHCP/DNS services, 24/7 support.
Advanced Security License	Includes all Enterprise features + Snort IPS, AMP Malware Protection, and URL Content Filtering.
SD-WAN Plus License	Includes Advanced Security + Advanced Analytics, ML-based performance insights, and SaaS optimization.

ORDERING INFORMATION & VARIANT MODELS

- **MX68-HW:** Cisco Meraki MX68 Security Appliance (Gigabit, 2x PoE+ ports).
- **MX68W-HW:** Cisco Meraki MX68 with Integrated Dual-Band 802.11ac Wave 2 Wi-Fi.
- **MX68CW-HW:** Cisco Meraki MX68 with Integrated Wi-Fi and Built-in LTE Cellular Modem.
- **LIC-MX68-SEC-3Y:** Meraki MX68 Advanced Security License and Support (3-Year).
- **MA-RCKM-1:** Meraki MX68 19-inch Rack Mount Tray.