MX Family

Meraki MX Cloud-Managed Security and SD-WAN

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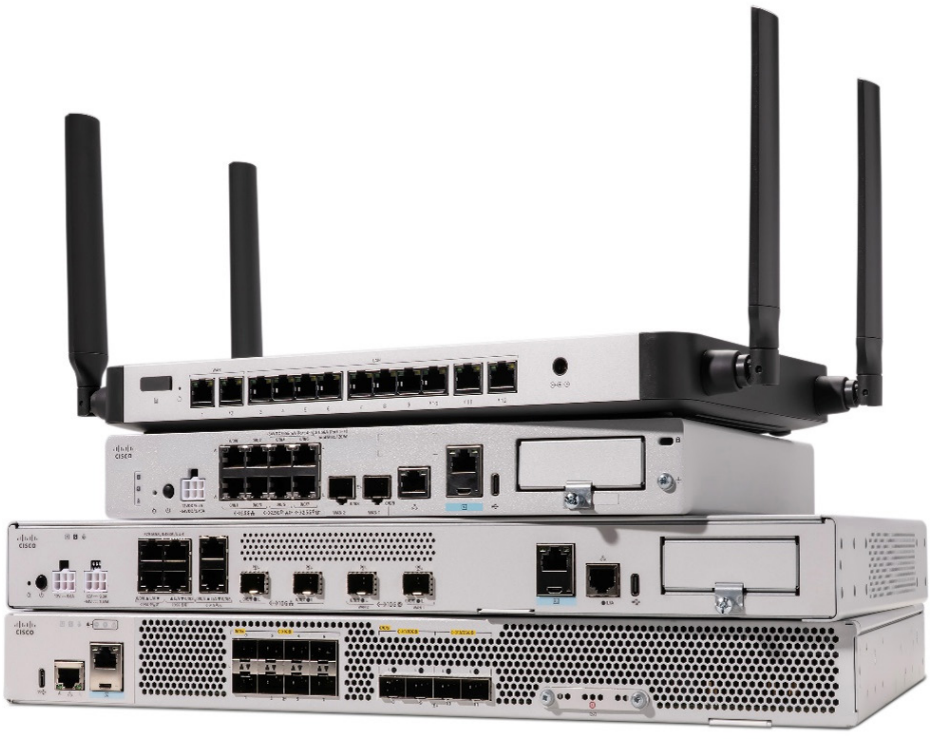
Ordering information and SKU 36

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Overview

The Cisco Meraki™ MX is a multifunctional security and SD-WAN enterprise appliance with a wide set of capabilities to address multiple use cases-from an all-in-one device. Organizations of all sizes and across all industries rely on the MX to deliver secure connectivity to hub locations or multi-cloud environments, as well as application Quality of Experience (QoE), through advanced analytics with machine learning.

The MX is 100% cloud managed, so installation and remote management are truly zero touch, making it ideal for distributed branches, campuses, and data center locations. Natively integrated with a comprehensive suite of secure network and assurance capabilities, the MX eliminates the need for multiple appliances. These capabilities include application-based firewalling, content filtering, web search filtering, Snort®-based intrusion detection and prevention, Cisco® Advanced Malware Protection (AMP), site-to-site AutoVPN, client VPN, WAN and cellular failover, dynamic path selection, web application health, VoIP health, and more. SD-WAN can easily be extended to deliver optimized access to resources in public and private cloud environments with virtual MX (vMX) appliances. Public clouds supported with vMX include Amazon Web Services (AWS), Microsoft Azure, Google Cloud, and Alibaba Cloud.



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Advanced QoE analytics

- Monitor end-to-end health of web applications at a glance across the LAN, WAN, and application server
- Gain enhanced visibility and alerting into WAN applications and infrastructure
- Have machine-learned smart application thresholds applied autonomously to identify true anomalies based on past behavioral patterns
- Monitor the health of all MX WAN links, including cellular, across your entire organization

Agile on-premises and cloud security capabilities informed by Cisco Talos

- Next-generation Layer 7 firewall for identity-based security policies and application management
- Advanced malware protection with sandboxing; file reputation-based protection engine powered by Cisco AMP
- Intrusion Prevention (IPS): Payment Card Industry (PCI)-compliant IPS sensor using industry-leading Snort signature database from Cisco Talos
- Granular and automatically updated category-based content filtering
- Other capabilities: SSL decryption/inspection, Data Loss Prevention (DLP), Cloud Access Security Broker (CASB), Software-as-a-Service (SaaS) tenant restrictions, granular app control, file type control
- Unified Secure Access Service Edge (SASE) and Security Service Edge (SSE) through Cisco Secure Access and Cisco Secure Connect
- Native integration with Cisco Extended Detection and Response (XDR) for AI-driven analytics, providing fast incident response

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Branch gateway services

- Built-in Dynamic Host Configuration Protocol (DHCP), Network Address Translation (NAT), Quality of Service (QoS), and VLAN management services
- Support for network segmentation and multitenancy with Virtual Routing and Forwarding (VRF) capability
- Multi-WAN support (depending on model): Ability to use multiple (up to two, three, or even four) WAN uplinks on the Cisco 8000 Series Secure Routers
- Web caching[3]: Accelerates frequently accessed content. Refer to the SD-WAN and Traffic Shaping page for supported platforms
- Load balancing: Combines multiple WAN links to provide an aggregated high-performance path with policies for QoS, traffic shaping, and failover
- Smart connection monitoring provides automatic detection of Layer 2 and Layer 3 outages and fast failover, including the option of integrated 5G or LTE Advanced (4G/3G) cellular modems
- Support for a 5G cellular (as primary or backup) connection with MG52/E as cellular gateway or integrated with a C8111-C-G2-MX or C8121-CW-G2-MX
- Support for Border Gateway Protocol (BGP) communities and attributes, including AS Path Prepend, MED, and Weight

Industry-leading cloud management

- Unified firewall, switching, wireless LAN, cameras, IoT sensors, SASE, and mobile device management through an intuitive web-based dashboard
- Template-based settings that scale easily from small deployments to tens of thousands of devices
- Role-based administration, configurable email alerts for a variety of important events, and easily auditable change logs
- Framework to unify and simplify the configuration and management of network and security policies across the platform and then reuse those across many policies in an organization
- Supported by the Cisco Assistant, a copilot that helps IT teams understand, troubleshoot, and operate their network faster and more efficiently
- Integration of Cisco Secure Access with the Meraki dashboard
- Summary reports with user, device, and application usage details archived in the cloud
- Support for sending encrypted syslog messages

[3] Cisco 8000 Series Secure Routers do not support web caching

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Intelligent site-to-site VPN with Cisco Meraki SD-WAN

- AutoVPN allows automatic VPN route generation using IKE/IKEv2/IPsec setup; runs on physical MX appliances and as a virtual instance in public and private clouds
- SD-WAN with active/active VPN, policy-based routing, dynamic VPN path selection, and support for application-layer performance profiles to help ensure prioritization of application types that matter
- Support for Local Internet Breakout ability to use Network-Based Application Recognition (NBAR) to configure Layer 3 (and some Layer 7) rules to determine exceptions to a full-tunnel VPN configuration
- Interoperates with all IPsec VPN devices and services
- Automated MPLS to VPN failover within seconds of a connection failure
- Layer 2 TP IPsec remote client VPN included with support for native Windows, Mac OS X, iPad, and Android clients
- Support for Cisco Secure Client remote client VPN (Secure Client license required)

Mix-and-match Meraki and Cisco Catalyst SD-WAN Manager

- A native and resilient link can easily be established between your Meraki Dashboard organization and your Catalyst® SD-WAN Manager to allow the flow of desired traffic-all from the Meraki dashboard
- Choose between Meraki and Catalyst SD-WAN manager for the best fit across all your disparate location types and streamline management from a single dashboard
- Sites with similar attributes can run the most operationally efficient SD-Branch solution with Meraki MX, and locations that demand precise WAN configurations can run the most customizable SD-WAN with Catalyst

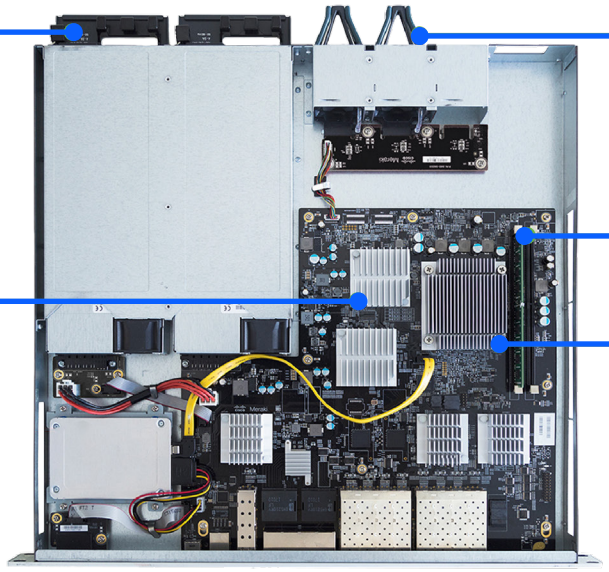
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Inside the Cisco Meraki MX

MX450 shown; interfaces and features vary by model and OS version

Redundant power
Reliable, energy-efficient design with field-replaceable power supplies

Cryptographic acceleration
Reduced load with hardware crypto assist



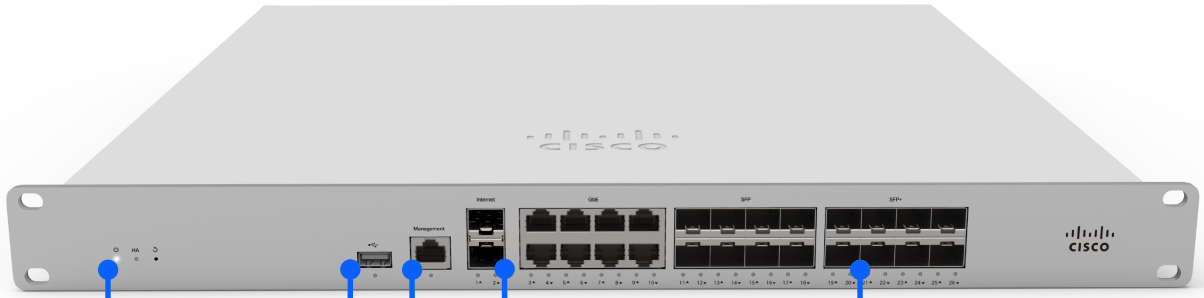
Modular fans
High-performance front-to-back cooling with field-replaceable fans

Additional memory
For high-performance content filtering

Enhanced CPU
Layer 3 to 7 firewall and traffic shaping

Front of the Cisco Meraki MX

MX450 shown; interfaces and features vary by model and OS version



Multicolor status LED
Monitor device status

Automatic cellular failover

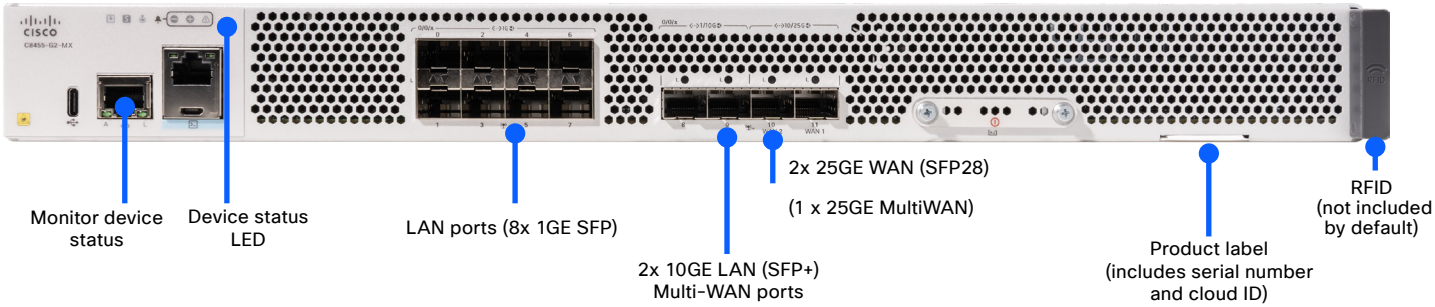
Management interface
Local device access

Dual 10G WAN interfaces
Load balancing and SD-WAN

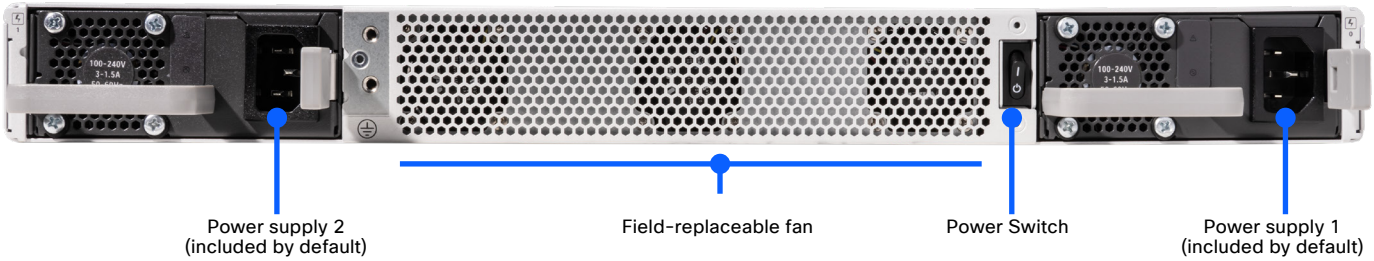
1G/10G Ethernet/SFP+ interfaces
10G SFP+ interfaces for high-speed LAN connectivity

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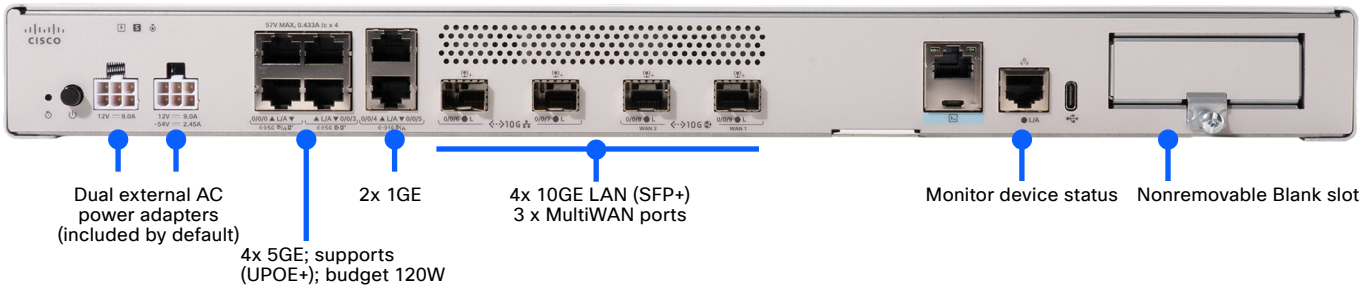
Front panel: C8455-G2-MX



Rear panel: C8455-G2-MX



Front panel: C8355-G2-MX



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Features and capabilities

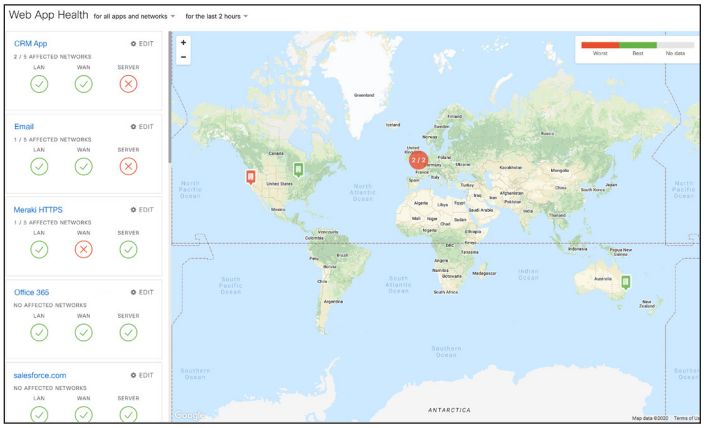
Security and SD-WAN

Security and SD-WAN are delivered by MX appliances. Security and SD-WAN have helped thousands of organizations rapidly lower costs by reducing their dependence on MPLS without compromising on performance. As enterprises continue to shift from hub-centric architectures interconnected with VPN to ones that leverage public internet connectivity, SD-WAN powered by Meraki delivers advanced analytics with Machine Learning (ML) to monitor and optimize QoE for applications, regardless of where they might be hosted.

Unified Branch

The MX and Cisco 8000 Series Secure Routers (MX OS) form a native building block of the Unified Branch Architecture. The automation toolkits features Cisco Workflows and Branch as Code (BaC) to help make branch deployment and operations repeatable, automated, and consistent.





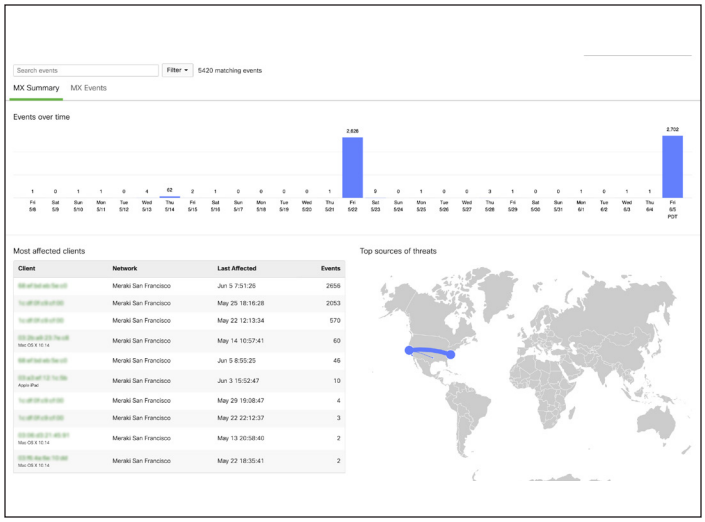
Transport independence

Leverage more than one uplink of any type with automatic failover, including MPLS, broadband, fiber, or cellular.

Advanced analytics

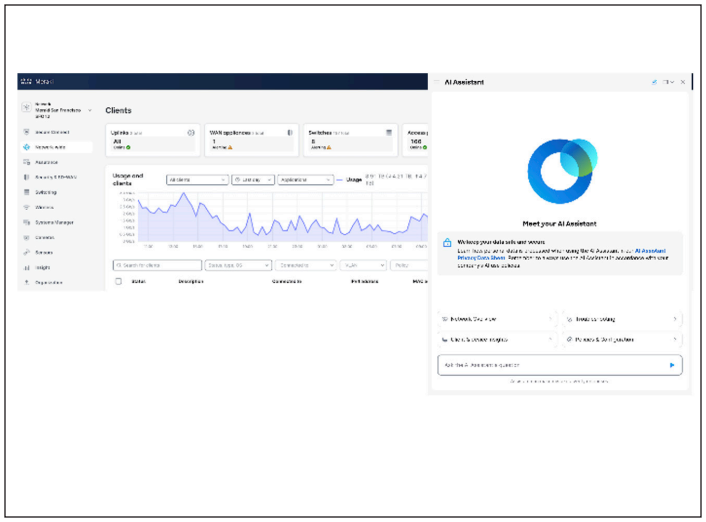
Coming soon: at-a-glance health of web applications with ML thresholds, VoIP, and WAN with predictive analytics.

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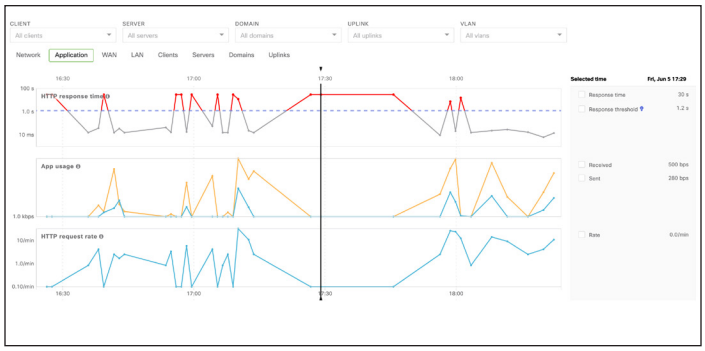
Native security

Meraki MX and Cisco 8000-series Secure Routers (MX OS) enables unified SASE and XDR by seamlessly integrating networking and security capabilities, including Next-Generation Firewall (NGFW), content filtering, Cisco AMP, and IDS/IPS informed by Cisco Talos®.



Cisco AI Assistant

The Cisco 8000 Series Secure Routers and the Meraki MX appliance are supported by the Cisco AI Assistant to help optimize network management, automate routine tasks, and promote proactive troubleshooting.



SaaS quality of experience

Manual and performance-based path selection using advanced analytics.

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Ironclad security

MX OS has an extensive suite of security features, including IDS/IPS, content filtering, web search filtering, anti-malware, GeoIP-based firewalling, IPsec VPN connectivity, and Cisco AMP, while providing the performance required for modern, bandwidth-intensive networks.

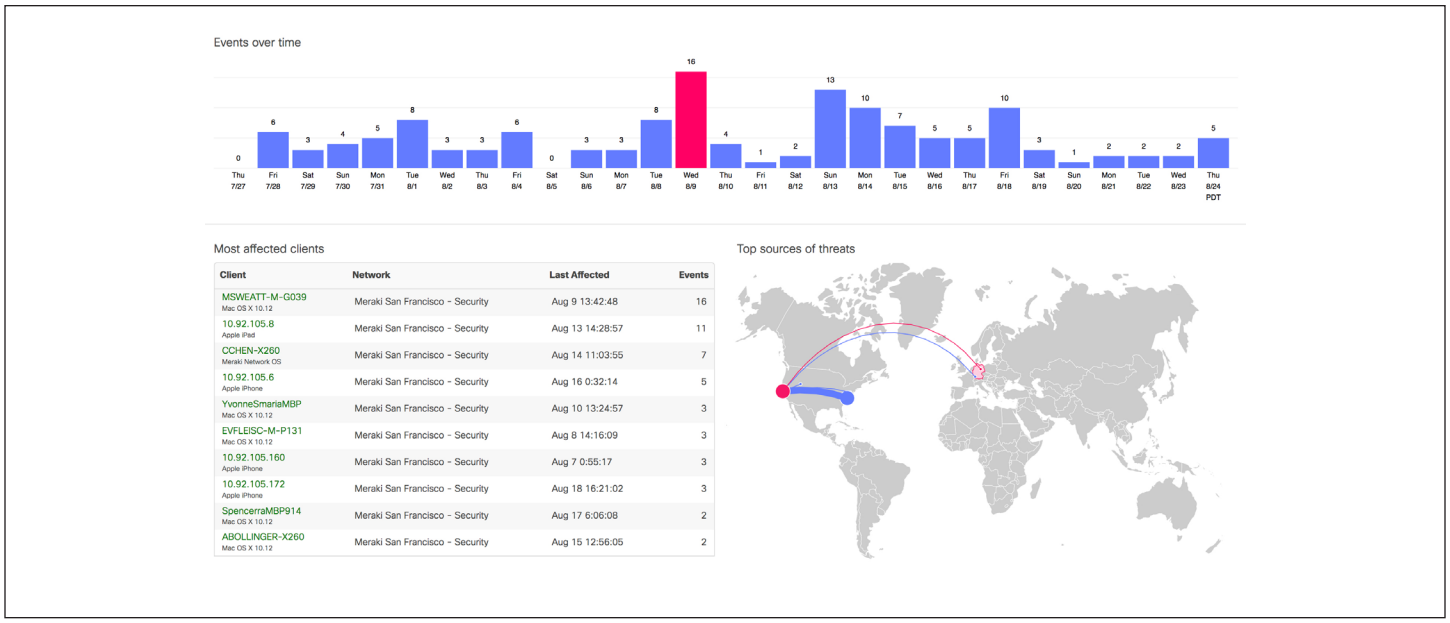
Layer 7 fingerprinting technology lets administrators identify unwanted content and applications and prevents recreational apps like BitTorrent from wasting precious bandwidth.

Meraki MX and Cisco 8000 Series Secure Routers enables unified SASE and XDR by seamlessly integrating networking and security capabilities, including next-generation firewall, content filtering, Cisco AMP, and IDS/IPS informed by Cisco Talos.

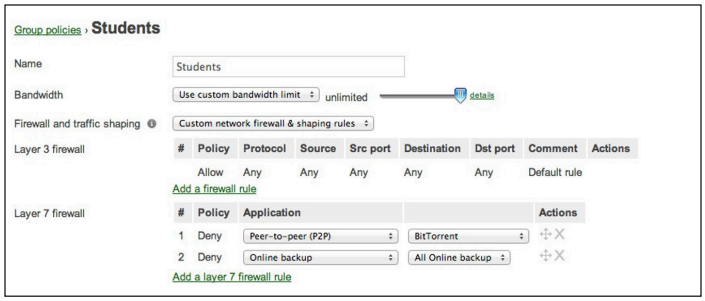
The integrated Snort engine delivers superior intrusion prevention coverage, a key requirement for PCI 3.2 compliance. MX OS also uses the Cisco Talos URL categorization database for content filtering that complies with the Children's Internet Protection Act (CIPA) and Internet Watch Foundation (IWF), Cisco AMP engine for anti-malware, Cisco Secure Malware Analytics Cloud, and MaxMind for GeoIP-based security rules.

Best of all, these industry-leading Layer 7 security engines and signatures are always kept up to date via the cloud, simplifying network security management and providing peace of mind to IT administrators.

The Cisco Meraki dashboard has obtained Authorization to Operate (ATO) under FedRAMP. Select Advanced Security license features are now supported in GovCloud.



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Identity-based policy management



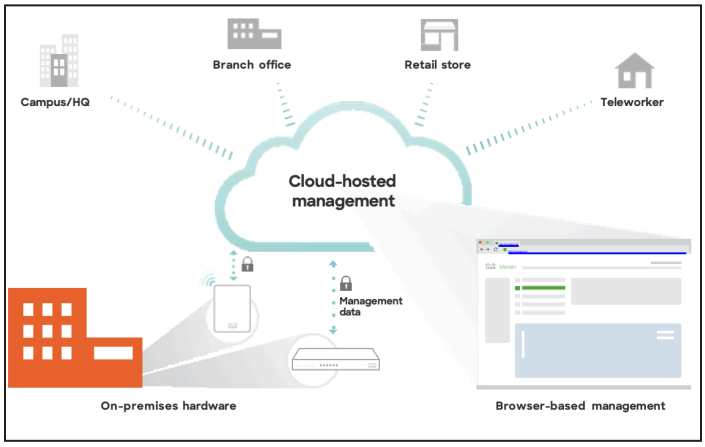
Cisco Secure Malware Analytics Cloud

Cloud-managed architecture

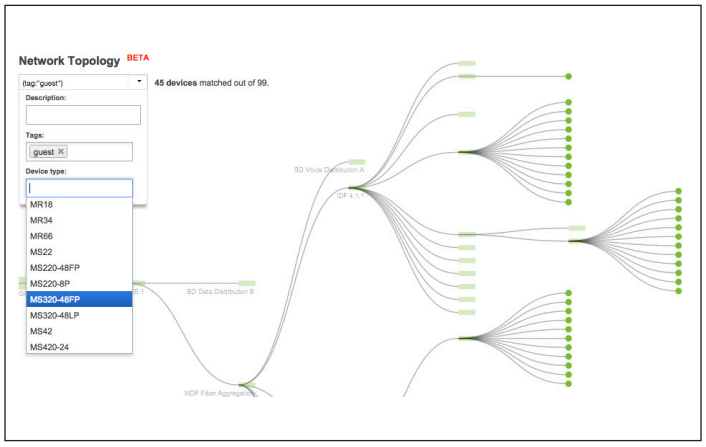
Built on the award-winning cloud architecture of the Cisco Meraki dashboard, the MX is the industry's only 100% cloud-managed solution for Unified Threat Management (UTM) and SD-WAN in a single appliance. The MX appliances and Cisco 8000 Series Secure Router running MX OS self-provision, automatically pulling policies and configuration settings from the cloud. Powerful remote management tools provide network-wide visibility and control and enable administration without the need for on-site networking expertise.

Cloud services deliver seamless firmware and security signature updates, automatically establish site-to-site VPN tunnels, and provide 24x7 network monitoring. Moreover, the MX's intuitive browser-based management interface removes the need for expensive and time-consuming training.

For customers moving IT services to a public cloud service, Meraki offers a virtual MX (vMX) for use in Amazon Web Services, Microsoft Azure, Google Cloud Platform, and Alibaba Cloud Global enabling AutoVPN peering and SD-WAN for dynamic path selection.



Cisco Meraki cloud-management architecture



End-to-end network visibility and troubleshooting

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Integrated Wi-Fi 6 wireless

The C8121-W-G2 and C8121-CW-G2 integrate award-winning wireless technology from Meraki with powerful MX network security features in a compact form factor ideal for branch offices or small enterprises.

- Dual-band 802.11n/ac/ax Wi-Fi 6, 2x2 MU-MIMO with two spatial streams
- Unified management of network security and wireless
- Integrated enterprise security and guest access



C8121-W-G2 Secure Router

Integrated 5G cellular

The C8111-C-G2 and C8121-CW-G2 include a physical SIM card slot, integrated eSIM, and an internal 5G modem. This integrated functionality removes the need for external hardware and allows for cellular visibility and configuration within the Meraki dashboard.

- 1x 5G SA/CAT 20 LTE modem
- Single global SKU
- 1x nano SIM slot (4FF form factor)
- 1x integrated eSIM



C8121-CW-G2 Secure Router

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Integrated 802.11ac Wave 2 wireless

The MX67W, MC68W, and MX68CW integrate award-winning wireless technology from Meraki with powerful MX network security features in a compact form factor ideal for branch offices or small enterprises.

- Dual-band 802.11n/ac Wave 2, 2x2 MU-MIMO with two spatial streams
- Unified management of network security and wireless
- Integrated enterprise security and guest access



MX68CW security and SD-WAN appliance

LTE Advanced

The MX67C and MX68CW include a SIM slot and internal LTE modem. This integrated functionality removes the need for external hardware and allows for cellular visibility and configuration within the Meraki dashboard.

- 1x CAT 6 300 Mbps LTE modem
- 1x nano SIM slot (4FF form factor)
- Global coverage with individual orderable SKU for North America and worldwide



MX67C SIM slot

Support for Power over Ethernet (PoE+)

The MX68, MX68W, and MX68CW include two ports with 802.3at (PoE+). This built-in power capability removes the need for additional hardware to power critical branch devices.

- 2x 802.3at (PoE+) ports capable of providing a total of 60 W
- Access points, phones, cameras, and other PoE-enabled devices can be powered without the need for AC adapters, PoE converters, or unmanaged PoE switches



MX68 port configuration

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Cisco Secure Router support for Power over Ethernet (PoE+) and Universal PoE (UPOE+)

The C8355-G2-MX includes four ports with support for Cisco with support for Cisco UPOE®+ (compatible with IEEE 802.3bt Type 4). This built-in power capability removes the need for additional hardware to power critical branch devices.



C8355-G2-MX

- UPOE+ ports capable of providing a total power budget of 120W
- Cellular gateways, access points, phones, cameras, and other PoE-enabled devices can be powered without the need for AC adapters, PoE injectors, or unmanaged PoE switches
- The C8355-G2-MX can be upgraded to have a UPOE-capable power supply



C8111-C-G2

The C8111-G2, C8111-C-G2, C8121-G2, C8121-W-G2, and C8121-CW-G2 include one WAN PoE port. The C8111-G2 and C8111-C-G2 have one LAN PoE port, while the C8121-G2, C8121-W-G2, and C8121-CW-G2 have three LAN PoE ports with support for UPOE (802.3bt Class 4 Type 3). This built-in power capability removes the need for additional hardware to power critical branch devices or upstream PoE-enabled equipment such as a Cisco Meraki MG.



C8121-CW-G2-MX

- LAN UPOE+ ports capable of providing a total power budget of:
- 45W (C8111-G2 and C8111-C-G2)
- 135W (C8121-G2, C8121-W-G2, and C8121-CW-G2)
- Cellular gateways, access points, phones, cameras, and other PoE-enabled devices can be powered without the need for additional AC adapters, PoE injectors, or unmanaged PoE switches

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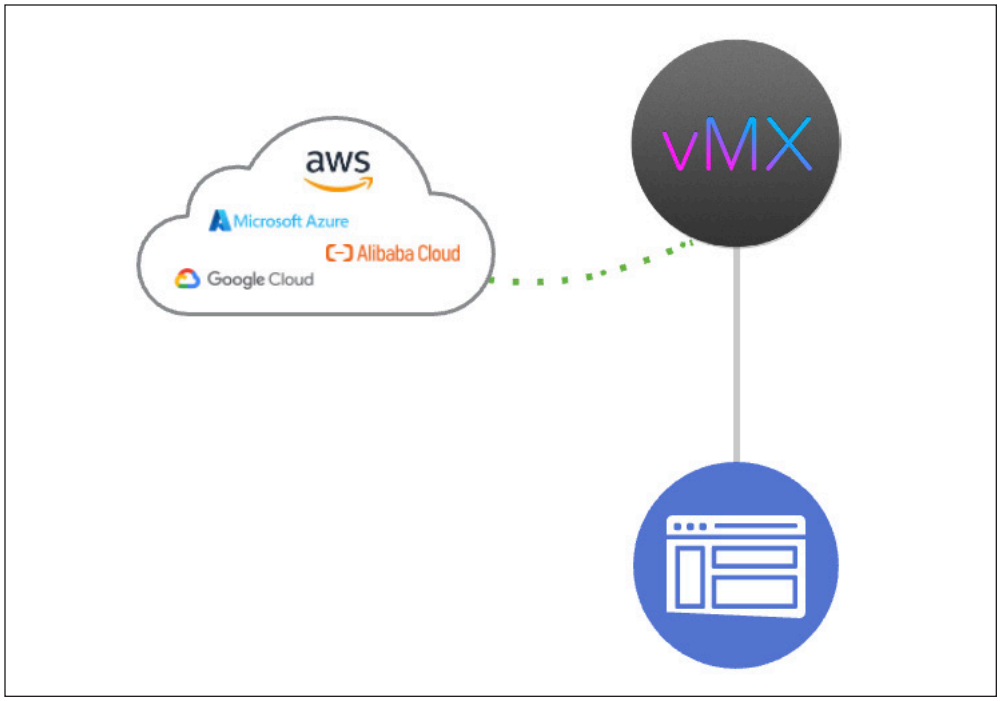
Meraki virtual MX appliances for public and private clouds

Virtual MX (vMX) is a virtual instance of a Meraki security and SD-WAN appliance dedicated specifically to providing the simple configuration benefits of site-to-site Auto VPN for organizations running or migrating IT services to public or private cloud environments. An AutoVPN tunnel to a vMX is like having a direct Ethernet connection to a private data center.

Features and functionality of the vMX appliance:

- Securely connect branch sites with a physical MX appliance to resources in public cloud environments in three clicks with AutoVPN
- Extend SD-WAN to public cloud environments for optimized access to business-critical resources
- Available in three VPN throughput-based sizes to suit a wide range of use cases: small, medium, and large.
- Support for running a vMX instance within the Megaport environment
- Support for running as a secure gateway and AutoVPN termination point for your SD-WAN in your own KVM/ESXi virtual environment

Virtual MX (vMX) is a virtual instance of a Meraki security and SD-WAN appliance dedicated specifically to providing the simple configuration benefits of site-to-site AutoVPN for organizations running or migrating IT services to public or private cloud environments. An AutoVPN tunnel to a vMX is like having a direct Ethernet connection to a private data center.



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Models and configurations

Desktop and all-in-one models

	MX67	MX67W	MX67C
Recommended	Small branch with up to 50 devices	Small branch with up to 50 devices	Small branch with up to 50 devices
Firewall throughput	700 Mbps	700 Mbps	700 Mbps
Advanced security services throughput[1]	400 Mbps	400 Mbps	400 Mbps
Maximum site-to-site VPN throughput	400 Mbps	400 Mbps	400 Mbps
Maximum site-to-site VPN tunnels[2]	50	50	50
WAN interfaces (dedicated)	1x 1GE RJ-45	1x 1GE RJ-45	1x 1GE RJ-45 1x integrated CAT 6 LTE cellular modem
LAN interfaces (fixed)	4x 1GE RJ-45	4x 1GE RJ-45	4x 1GE RJ-45
Mounting	Desktop or wall mount	Desktop or wall mount	Desktop or wall mount
Dimensions (w x d x h)	9.4 x 5.1 x 1.1 in. (239 x 130 x 27 mm)	9.4 x 6.5 x 1.1 in. (239 x 164 x 27 mm)	9.4 x 6.9 x 1.1 in. (239 x 176 x 27 mm)
Weight	1.74 lb (0.7 kg)	1.84 lb (0.83 kg)	1.87 lb (0.85 kg)
Power supply	30W DC	30W DC	30W DC
Power load (idle/max)	5W/14W	15W/23W	6W/17W
Humidity	5% to 95%	5% to 95%	5% to 95%

[1] Throughput with advanced security services enabled, including IDS, AMP, and Secure Malware Analytics (formerly Threat Grid), can reach the same levels as with NGFW using Trusted Traffic Exclusions. Learn more.

[2] The maximum number of VPN tunnels is based on lab testing scenarios where no client traffic is transferring over the VPN tunnels. For information on recommended maximum site-to-site and client VPN tunnels, visit MX Sizing Principles.

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Desktop and all-in-one models

	MX68	MX68W	MX68CW	MX75
Recommended	Small branch with up to 50 devices	Small branch with up to 50 devices	Small branch with up to 50 devices	Small branch with up to 200 devices
Firewall throughput	700 Mbps	700 Mbps	700 Mbps	1 Gbps
Advanced security services throughput[1]	400 Mbps	400 Mbps	400 Mbps	1 Gbps
Maximum site-to-site VPN throughput	400 Mbps	400 Mbps	400 Mbps	1 Gbps
Maximum site-to-site VPN tunnels[2]	50	50	50	75
WAN interfaces (dedicated)	2x 1GE RJ-45	2x 1GE RJ-45	2x 1GE RJ-45 1x integrated CAT 6 LTE cellular modem (cellular failover)	1x 1GE SFP 2x 1GE RJ-45
LAN interfaces (fixed)	10x 1GE RJ-45 (2x PoE+)	10x 1GE RJ-45 (2x PoE+)	10x 1GE RJ-45 (2x PoE+)	10x 1GE RJ-45 (2x PoE+)
Mounting	Desktop or wall mount	Desktop or wall mount	Desktop or wall mount	Desktop or wall mount
Dimensions (w x d x h)	11.2 x 5.8 x 1.1 in. (284 x 148 x 27 mm)	11.2 x 5.8 x 1.1 in. (284 x 148 x 27 mm)	11.2 x 5.8 x 1.1 in. (284 x 148 x 27 mm)	11.14 x 5.83 x 1.06 in. (283 x 148 x 27 mm)
Weight	2.46 lb (1.12 kg)	2.55 lb (1.16 kg)	2.61 lb (1.18 kg)	1.87 lb (0.85 kg)
Power supply	100W DC	100W DC	100W DC	100W DC
Power load (idle/max)	11W/79W	19W/87W	19W/89W	12W/96W
Operating temperature	32° to 113°F (0° to 45°C)	32° to 113°F (0° to 45°C)	32° to 113°F (0° to 45°C)	32° to 113°F (0° to 45°C)
Humidity	5% to 95%	5% to 95%	5% to 95%	5% to 95%

[1] Throughput with advanced security services enabled, including IDS, AMP, and Secure Malware Analytics (formerly Threat Grid), can reach the same levels as with NGFW using Trusted Traffic Exclusions. Learn more.

[2] The maximum number of VPN tunnels is based on lab testing scenarios where no client traffic is transferring over the VPN tunnels. For information on recommended maximum site-to-site and client VPN tunnels, visit MX Sizing Principles.

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Desktop or wall-mount models

	8110L-G2-MX	8111-G2-MX	8111-C-G2-MX
Recommended	Small branch with up to 50 devices	Small branch with up to 200 devices	Small branch with up to 200 devices
Firewall throughput	1 Gbps	2 Gbps	2 Gbps
Advanced security services throughput[1]	500 Mbps	1 Gbps	1 Gbps
Maximum site-to-site VPN throughput	750 Mbps	1.2 Gbps	1.2 Gbps
Maximum site-to-site VPN tunnels[2]	50	150	150
Number of PoE interfaces	0	2	2
WAN interfaces (dedicated)	1x 1GE RJ-45	2x 2.5 Multigigabit RJ-45 (1x PoE+, 30W)	2x 2.5 Multigigabit RJ-45 (1x PoE+, 30W) 1x integrated 5G SA CAT 20 LTE cellular modem (primary or cellular failover)
Convertible interfaces	1x 1 GE RJ-45	1x 1 GE RJ-45	1x 1 GE RJ-45
LAN interfaces (fixed)	4x 1 GE RJ-45	4x 1GE RJ-45 (1x PoE, 45W)	4x 1GE RJ-45 (1x PoE, 45W)
Mounting	Desktop or wall mount	Desktop or wall mount	Desktop or wall mount
Dimensions (w x d x h)	1.1 x 5.6 x 10.1 in (29 x 142 x 256 mm)	10.8 x 5.6 x 1.3 in. (273 x 143 x 34 mm)	12.4 x 6.9 x 1.3 in. (316 x 176 x 34 mm)
Weight	1.6 lb (0.76 kg)	1.9 lb (0.87 kg)	3.2 lb (1.451 kg)
Power supply	30 W DC	150W DC	150W DC
System power (idle/max)	6W/13W	16W/22W	39W/45W
System + PoE load (idle/max)	N/A	16W/97W	39W/126W
Operating temperature	32°F to 113°F (0° to 45°C)	32° to 113°F (0° to 45°C)	32° to 113°F (0° to 45°C)
Humidity	5% to 95%	5% to 95%	5% to 95%

[1] Throughput with advanced security services enabled, including IDS, AMP, and Secure Malware Analytics (formerly Threat Grid), can reach the same levels as with NGFW using Trusted Traffic Exclusions. Learn more.

[2] The maximum number of VPN tunnels is based on lab testing scenarios where no client traffic is transferring over the VPN tunnels. For information on recommended maximum site-to-site and client VPN tunnels, visit MX Sizing Principles.

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Desktop or wall-mount models

	8121-G2-MX	8121-W-G2-MX	8121-CW-G2-MX
Recommended	Small branch with up to 200 devices	Small branch with up to 200 devices	Small branch with up to 200 devices
Firewall throughput	2 Gbps	2 Gbps	2 Gbps
Advanced security services throughput[1]	1 Gbps	1 Gbps	1 Gbps
Maximum site-to-site VPN throughput	1.2 Gbps	1.2 Gbps	1.2 Gbps
Maximum site-to-site VPN tunnels[2]	150	150	150
Number of PoE interfaces	4	4	4
WAN interfaces (dedicated)	2x 2.5 Multigigabit RJ-45 (1x PoE+, 30W)	2x 2.5 Multigigabit RJ-45 (1x PoE+, 30W)	2x 2.5 Multigigabit RJ-45 (1x PoE+, 30W) 1x integrated 5G SA CAT 20 LTE cellular modem (Primary or cellular failover)
Convertible interfaces	1x 1 GE RJ-45	1x 1 GE RJ-45	1x 1 GE RJ-45
LAN interfaces (fixed)	10x 1GE RJ-45 (3x PoE, 45W)	10x 1GE RJ-45 (3x PoE, 45W)	10x 1GE RJ-45 (3x PoE, 45W)
Mounting	Desktop or wall mount	Desktop or wall mount	Desktop or wall mount
Dimensions (w x d x h)	12.4 x 6.9 x 1.3 in. (316 x 176 x 34 mm)	13.7 x 8 x 1.3 in. (348 x 203 x 34 mm)	13.7 x 8 x 1.3 in. (348 x 203 x 34 mm)
Weight	2.5 lb (1.15 kg)	3.7 lb (1.696 kg)	3.9 lb (1.783 kg)
Power supply	250W DC	250W DC	250W DC
System power (idle/max)	18W/26W	56W/64W	68W/87W
System + PoE load (idle/max)	18W/176W	56W/221W	68W/233W
Operating temperature	32°F to 113°F (0° to 45°C)	32° to 113°F (0° to 45°C)	32° to 113°F (0° to 45°C)
Humidity	5% to 95%	5% to 95%	5% to 95%

[1] Throughput with advanced security services enabled, including IDS, AMP, and Secure Malware Analytics (formerly Threat Grid), can reach the same levels as with NGFW using Trusted Traffic Exclusions. Learn more.

[2] The maximum number of VPN tunnels is based on lab testing scenarios where no client traffic is transferring over the VPN tunnels. For information on recommended maximum site-to-site and client VPN tunnels, visit MX Sizing Principles.

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Rack-mount models

	MX85	MX95
Recommended	Small to medium-sized branch with up to 250 devices	Medium-sized to large branch with up to 500 devices
Firewall throughput	1 Gbps	3 Gbps
Advanced Security services throughput[1]	1 Gbps	2 Gbps
Maximum site-to-site VPN throughput	1 Gbps	2.5 Gbps
Maximum site-to-site VPN tunnels[2]	200	500
WAN interfaces (dedicated)	2x 1GE SFP 2x 1GE RJ-45 (1x PoE+)	2x 10GE SFP+ 2x 2.5GE RJ-45 (1x PoE+)
LAN interfaces (fixed)	8 x 1GE SFP 2 x 1GE SFP	4x 1GE RJ-45 2x 10GE SFP+
Mounting	1RU	1RU
Dimensions (w x d x h)	19 x 9.8 x 1.7 in. (484.6 x 250 x 43.8 mm)	19.08 x 11.23 x 1.73 in. (484.6 x 285.2 x 44 mm)
Weight	8.2 lb (3.7 kg)	6.99 lb (3.17 kg)
Power supply	Internal 100-127 V 200-240 V (50/60 Hz)	Internal 100-127 V 200-240 V (50/60 Hz)
Power load (idle/max)	12W/55W	42W/109W
Operating temperature	32° to 104°F (0° to 40 °C)	32° to 104°F (0° to 40°C)
Humidity	5% to 95%	5% to 95%

[1] Throughput with advanced security services enabled, including IDS, AMP, and Secure Malware Analytics (formerly Threat Grid), can reach the same levels as with NGFW using Trusted Traffic Exclusions. Learn more.

[2] The maximum number of VPN tunnels is based on lab testing scenarios where no client traffic is transferring over the VPN tunnels. For information on recommended maximum site-to-site and client VPN tunnels, visit MX Sizing Principles.

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Rack-mount models

	MX105	MX250	MX450
Recommended	Large branch with up to 750 devices	Campus or VPN concentrator with up to 2,000 devices	Campus or VPN concentrator with up to 10,000 devices
Firewall throughput	5 Gbps	7.5 Gbps	10 Gbps
Advanced security services throughput[1]	2.5 Gbps	3 Gbps	7 Gbps
Maximum site-to-site VPN throughput	3.5 Gbps	4 Gbps	6.5 Gbps
Maximum site-to-site VPN tunnels[2]	1,000	3,000	5,000
WAN interfaces (dedicated)	2x 10GE SFP+ 2x 2.5GE RJ-45 1x PoE+	2x 10GE SFP+	2x 10GE SFP+
LAN interfaces (fixed)	4x 1GE RJ-45 2x 10GE SFP+	8x 1GE RJ-45 8x 1GE SFP 8x 10GE SFP+	8x 1GE RJ-45 8x 1GE SFP 8x 10GE SFP+
Mounting	1RU	1RU	1RU
Dimensions (w x d x h)	19.08 x 12.4 x 1.73 in. (484.6 x 315 x 44 mm)	19 x 17.3 x 1.75 in. (483 x 440 x 44 mm)	19 x 17.3 x 1.75 in. (483 x 440 x 44 mm)
Weight	10.74 lb (4.87 kg) (with 2 fans and 2 PSUs)	16 lb (7.3 kg)	16 lb (7.3 kg)
Power supply	Modular 100-127 V 200-240 V (50/60 Hz) 2x 150W PSU	Modular 100-220 V 50/60 Hz 2x 250W PSU	Modular 100-220 V 50/60 Hz 2x 250W PSU
Power load (idle/max)	53W/123W	105W/190W	105W/190W
Operating temperature	32°F to 113°F (0° to 45°C)	32° to 113°F (0° to 45°C)	32° to 113°F (0° to 45°C)
Humidity	5% to 95%	5% to 95%	5% to 95%

[1] Throughput with advanced security services enabled, including IDS, AMP, and Secure Malware Analytics (formerly Threat Grid), can reach the same levels as with NGFW using Trusted Traffic Exclusions. Learn more.

[2] The maximum number of VPN tunnels is based on lab testing scenarios where no client traffic is transferring over the VPN tunnels. For information on recommended maximum site-to-site and client VPN tunnels, visit MX Sizing Principles.

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Rack-mount models

	8235-G2-MX	8355-G2-MX	8455-G2-MX
Recommended	Designed for medium-sized branch deployments with up to 2,000 devices	Large Secure Branch/ enterprise networks with up to 5,000 devices	Secure Campus or VPN concentrator with up to 15,000 devices
Firewall throughput	6Gbps	10 Gbps	20 Gbps
Advanced security services throughput[1]	3Gbps	4 Gbps	8 Gbps
Maximum site-to-site VPN throughput	4Gbps	5 Gbps	10 Gbps
Maximum site-to-site VPN tunnels[2]	1250	3,000	6,000
WAN interfaces (dedicated)	2x 10GE SFP+	2x 10GE SFP+	2x 25GE SFP28
Convertible interfaces	2x LAN/WAN convertible (2.5GE)	2x LAN/WAN convertible (10GE) + 1xLAN/WAN convertible (25GE)	3x LAN/WAN convertible (10GE)
LAN interfaces (fixed)	6x 2.5GE RJ-45 (Multigigabit)	4x 5GE RJ-45 (Multigigabit) + 2x 1GE RJ-45	8x 1GE SFP
Mounting	1RU	1RU	1RU
Dimensions (w x d x h)	12.7 x 8.9 x 1.65 in. (322.6 x 226.84 x 41.9 mm)	17.5 x 11.49 x 1.73 in. (444.5 x 291.84 x 43.9 mm)	17.50 x 12 x 1.73 in. (444.5 x 304.8 x 43.9 mm)
Weight	7lb (3.17kg)	9.25 lb (4.19 kg)	12.5 lb (5.6 kg) (includes 2 AC power supplies + fan tray)
Power supply	1 x 66W Power Supply	Dual 110W AC (external adapter)	250W AC (pluggable)
PoE budget	Yes Max: 120W	Yes Max: 120W	No PoE support
Operating temperature (sea level)	32° to 104°F (0° to 40°C)	32° to 104°F (0° to 40°C)	32° to 104°F (0° to 40 °C)

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	8235-G2-MX	8355-G2-MX	8455-G2-MX
Humidity	5% to 85% (operating) 5% to 95% (storage)	5% to 85% (operating) 5% to 95% (storage)	5% to 95% 5% to 85% (operating) 5% to 95% (storage)

[1] Throughput with advanced security services enabled, including IDS, AMP, and Secure Malware Analytics (formerly Threat Grid), can reach the same levels as with NGFW using Trusted Traffic Exclusions. Learn more.

[2] The maximum number of VPN tunnels is based on lab testing scenarios where no client traffic is transferring over the VPN tunnels. For information on recommended maximum site-to-site and client VPN tunnels, visit MX Sizing Principles.

Virtual appliance models

Meraki virtual WAN appliances include a rich set of features to connect branch sites to public and private cloud environments. These features include the following.

	vMX – Small	vMX – Medium	vMX – Large
Recommended	Extend secure SD-WAN connectivity from branch sites to resources in public and private cloud environments	Extend secure SD-WAN connectivity from branch sites to resources in public and private cloud environments	Extend secure SD-WAN connectivity from branch sites to resources in public and private cloud environments
Interfaces	Virtual	Virtual	Virtual
Supported cloud platforms	AWS Azure Google Cloud Alibaba Cloud	AWS Azure Google Cloud Alibaba Cloud	AWS Azure Google Cloud Alibaba Cloud
NGFW	250 Mbps	500 Mbps	1 Gbps
Advanced security services	250 Mbps	500 Mbps	1 Gbps
Maximum site-to-site VPN throughput	250 Mbps	500 Mbps	1 Gbps
Maximum concurrent site-to-site VPN tunnels	50	250	1,000
Client VPN support	Yes	Yes	Yes

Performance and scale

Use the MX Sizing Guide and Principles document to compare the different models and select or design your network architecture. Performance and scale metrics are based on the most current firmware version defined in the guide.

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Product approvals

The Product Approvals Database is a repository of information regarding the homologation status for given Cisco products in certain countries. Before placing any purchase order(s) for Cisco product(s), every customer should check the homologation status of the product(s).

Packaging

Included in the box

Package contents	Model(s)
Mounting kit	MX67, MX67W, MX67C, MX68, MX68W, MX68CW, MX250, MX450, C8455-G2-MX
CAT 5 Ethernet cable (2)	MX67, MX67W, MX67C, MX68, MX68W, MX68CW
AC power adapter	MX67, MX67W, MX67C, MX68, MX68W, MX68CW, MX75, C8110L-G2, C8111-G2, C8111-C-G2, C8121-G2, C8121-W-G2, C8121-CW-G2, C8355-G2-MX
Wireless external omnidirectional antenna (2)	MX67W, MX68W
110W power supply (2)	C8355-G2-MX (Upgrade to PoE+/UPOE+) with optional 230W power supply
150W power supply (2)	MX105
250W power supply (2)	MX250, MX450, C8455-G2-MX
System fan (2)	MX105, MX250, MX450, C8455-G2-MX
SIM card ejector tool	MX67C, MX68CW
Fixed external wireless and LTE paddle antennas	MX68CW
Removable external LTE paddle antennas	MX67C
Removable external 5G Cellular paddle antennas	C8111-C-G2, C8121-CW-G2 (Cellular antennas are specific to each model)
19” rack mount kit	C8355-G2-MX, C8455-G2-MX

Warranty with next-day advance replacement

Meraki MX appliances include a limited lifetime hardware warranty that provides next-day advance hardware replacement. The Meraki simplified software and support licensing model also combines software upgrades, centralized systems management, and phone support under a single, easy-to-understand model.
Cisco 8000 Series Secure MX routers come standard with a Cisco Limited 2-Year Return to Factory Hardware Warranty. Refer here for more details. For complete details, please visit meraki.cisco.com/support.

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Licensing options

Per-device licensing

There are three license tiers for MX appliances to provide you the flexibility to select the one most appropriate for your intended use. Pair your chosen MX appliance(s) with the relevant license for your use case. Refer to the Meraki Per-Device Licensing Overview for more information on licensing.

Features Highlights	**SD-WAN Plus** Sites with critical SaaS usage	**Advanced Security** Sites with critical SaaS usage	**Enterprise** Fully backhauled environment
Three-click secure SD-WAN connectivity	●	●	●
Layer 7 NGFW	●	●	●
Advanced Malware Protection (AMP)	●	●	X
Intrusion detection and prevention	●	●	X
Advanced Malware Protection (AMP)	●	●	X
Intrusion detection and prevention	●	●	X
Content filtering	●	X	X
Internet outages from ThousandEyes®	●	o	X
Smart Layer 7 local internet breakout	●	X	X
Performance-based internet routing	●	X	X
ML-powered SD-WAN analytics	●	X	X
Mixed-license environment	●	●	X

A full list of features by license type is available on the Meraki MX/Z Security and SD-WAN Licensing page. One mixed license only with subscription per device.

Mixed-license environments

The SD-WAN Plus and Advanced Security licenses can be selected on a per-device basis for a mixed-license deployment. In this way, some sites could have MXs with full SD-WAN Plus license functionality and the remaining sites with Advanced Security license features. Enterprise licenses can only be applied organization-wide. This licensing model does not apply to co-termination. For more information on per-device licensing, please refer to the Meraki Per-Device Licensing Overview.

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Subscription licensing

Meraki subscription licensing offers a simple, flexible, and hardware-agnostic purchasing model for Meraki products. MX appliance subscriptions are available for any term length starting from 1 year up to 10 years. More information, including MX subscription types and SKU list, can be found on the Subscription - MX Licensing page. General information on subscription licensing can be found on the Subscription - Licensing Overview page.

Co-termination licensing

The Cisco Meraki Co-Termination licensing model is based on co-termination, which means that for any given organization, regardless of how many licenses were applied or when they were applied, the license expiration date for all licenses claimed to that organization will be the same. More information, including MX co-termination licenses and features under each tier, can be found on the Meraki MX/Z Security and SD-WAN Licensing page. General information on co-termination licensing can be found on the Meraki Co-Termination Licensing Overview page.

Accessories

The C8455-G2-MX, MX250, and MX450 models support pluggable optics for high-speed backbone connections between wiring closets or to aggregation switches.

Meraki offers several standards-based Gigabit and 10 Gigabit pluggable modules. Each appliance has also been tested for compatibility with several third-party modules.





Sustainability

The Cisco 8000 Series Secure Routers integrate sustainability into their product lifecycle, guided by circular design principles. This includes initiatives for efficient design, reduced power consumption, sustainable packaging, and product takeback. These efforts help lower operational costs and support Cisco's net-zero Greenhouse Gas (GHG) emissions goals. More details on Cisco's Environmental, Social, and Governance (ESG) activities can be found in the Purpose Reporting Hub.

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Modules and accessories

SFP28 and SFP+ modules supported

SFP-25G-SR-S	25GBASE-SR SFP28 Module for MMF
SFP-10/25G-CSR-S	10/25GBASE-CSR SFP28 Module for MM
SFP-25G-SR-S	25GBASE-SR SFP28 Module for MMF
SFP-10/25G-LR-S	10/25GBASE-LR SFP28 Module for SMF
SFP-25G-AOCxx	25GBASE-AOC SFP28 Active Optical Cable (various lengths)
SFP-H25G-CUxx	25GBASE-CR1 Copper Cable (various lengths)
SFP-10/25G-LR-I	10/25GBASE-LR SFP28, Industrial Temperature Module for SMF
SFP-25G-ER-I	25GBASE-ER, SFP28 Industrial Temperature Module for SMF
SFP-10/25G-BXD-I	10GBASE-LR, 10GBASE-BR10, 25GBASE-BR10 SFP28, Bidirectional, Industrial Temp Module for SMF
SFP-10/25G-BXU-I	10GBASE-LR, 10GBASE-BR10, 25GBASE-BR10 SFP28, Bidirectional, Industrial Temp Module for SMF
SFP-25G-BX40D-I	25GBASE-BR40, SFP28, Bidirectional, Industrial Temp Module for SMF
SFP-25G-BX40D-I	25GBASE-BR40, SFP28, Bidirectional, Industrial Temp Module for SMF
SFP-10G-T-X	Cisco 10 GbE/1 GbE/100 MbE RJ45 Copper Module (10000BASE-T for twisted pair)
MA-SFP-10GB-SR	Cisco Meraki 10 GbE Twinax Cable with SFP+ Connectors (10GSFP+Cu, range: 1 m) for MX95, MX105, MX250, MX450, C8355-G2, C8455-G2
MA-SFP-10GB-LR	Cisco Meraki 10 GbE SFP SX Fiber Module (10000BASE-LR, range: 10 km) for MX95, MX105, MX250, MX450, C8355-G2, C8455-G2

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Accessories/SFP transceivers

Supported Cisco Meraki accessory modules

Model	Description
MA-SFP-1GB-SX	Cisco Meraki 1 GbE SFP SX Fiber Module (1000BASE-SX, range: 550 m) for MX75, MX85, MX95, MX105, MX250, MX450
MA-SFP-1GB-TX	Cisco Meraki 1 GbE RJ45 Copper Module (1000BASE-T for twisted pair) for MX75, MX85, MX95, MX105, MX250, MX450
MA-SFP-10GB-SR	Cisco Meraki 10 GbE Twinax Cable with SFP+ Connectors (10GSFP+Cu, range: 1 m) for MX95, MX105, MX250, MX450
MA-CBL-TA-1M	Cisco Meraki 10 GbE Twinax Cable with SFP+ Connectors (10GSFP+Cu, range: 3 m) for MX95, MX105, MX250, MX450
MA-CBL-TA-3M	Cisco Meraki 10 GbE Twinax Cable with SFP+ Connectors (10GSFP+Cu, range: 3m) for MX95, MX105, MX250, MX450
MA-PWR-30WAC	Replacement Power Adapter (30W) for MX67, MX67W, MX67C
MA-PWR-100WAC	Replacement Power Adapter (100W) for MX68, MX68W, MX68CW
MA-PWR-100WAC-A	Replacement Power Adapter (100W) for MX75
MA-PWR-150WAC	Meraki MX105 Power Supply Unit (PSU)
MA-PWR-250WAC	Meraki MX250/MX450 Power Supply Unit (PSU)
MA-C84-PWR-250W	Cisco C8455-G2-MX Power Supply Unit (PSU)
MA-FAN-18K	Meraki 18K RPM System Fan for MX105, MX250 and MX450
MA-ANT-MX	One pair of external dual-band dipole antennas (connector type: RP-SMA) for MX67W, or MX68W
MA-C84-RACK-KIT	One Cisco C8455-G2-MX Replaceable Fan (spare)
MA-WMNTBR-PWR-ADP	1x Power adapter holder for external power adapter for C8111-G2, C8111-C-G2, C8121-G2, C8121-W-G2, C8121-CW-G2
MA-PWR-150WAC-ADP	C8111-G2, C8111-C-G2 Replacement Power Adapter (150W AC)
MA-PWR-250WAC-ADP	C8121-G2, C8121-W-G2, C8121-CW-G2 Replacement Power Adapter (250W AC)
5G-ANT-C8111	Includes 4x cellular antennas for the C8111-C-G2
5G-ANT-C8121	Includes 4x cellular antennas for the C8121-CW-G2

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Technical specifications

Accessories/SFP transceivers

Supported Cisco Meraki accessory modules



Power cables

One power cable is required for each MX; two power cables are required for the C8455-G2-MX, C8355-G2-MX. For U.S. customers, all required power cables will automatically be included. Customers outside the U.S. are required to order power cords separately.

Power Cords
MA-PWR-CORD-US
MA-PWR-CORD-EU
MA-PWR-CORD-EU
MA-PWR-CORD-AU

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MX specifications

Management
Managed via the web using the Cisco Meraki dashboard
Single dashboard management of wired and wireless networks
Zero-touch remote deployment (no staging needed)
Automatic firmware upgrades and security patches
Template-based multinetwork management
Org-level two-factor authentication and single sign-on
Role-based administration with change logging and alerts

Monitoring and reporting
Throughput, connectivity monitoring, and email alerts
Detailed historical per-port and per-client usage statistics
Application usage statistics
Org-level change logs for compliance and change management
VPN tunnel and latency monitoring
Network asset discovery and user identification
Periodic emails with key utilization metrics
Device performance and utilization reporting
Netflow upport
Syslog integration

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MX specifications

Management
Live remote packet capture
Real-time diagnostic and troubleshooting tools
Aggregated event logs with instant search

Network and firewall services
NGFW, 1:1 NAT, DMZ
Identity-based policies. Adaptive policy with VLAN, ACL, SGT
Auto VPN: Automated site-to-site (IPsec) VPN for hub-and-spoke or mesh topologies
Client (IPsec L2TP) VPN, Cisco Secure Client VPN
Multiple WAN IP, PPPoE, NAT
VLAN support and DHCP services
Static and dynamic routing
User and device quarantine

WAN performance management
WAN link aggregation
Automatic Layer 3 failover (including VPN connections)
3G/4G USB modem failover or single uplink
Application-level (Layer 7) traffic analysis and shaping
Ability to choose WAN uplink based on traffic type
SD-WAN: Dual-active VPN with policy-based routing and dynamic path selection
CAT 6 LTE modem for failover or single uplink1
Support for more than two dedicated WAN links using Multi-WAN Backup Uplink

[1] MX67C and MX68CW only.

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Cisco Secure Router specifications

Advanced security services[1]
Content filtering (Cisco Talos CIPA-compliant URL database)
Web-search filtering (including Google/Bing SafeSearch)
YouTube for Schools
Intrusion-prevention sensor (Snort based)
Cisco Advanced Malware Protection (AMP)
Secure Malware Analytics[2]
Integration with Cisco XDR[2]

[1] Advanced security services require Advanced Security license

[2] Threat Grid services require additional sample pack licensing

Integrated Wi-Fi (C8121-W-G2 and C8121-CW-G2)
1x 802.11a/n/ac/ax (5 GHz) radio
1x 802.11b/g/n/ax (2.4 GHz) radio
Max data rate 1.5 Gbps aggregate
2x2 MU-MIMO with 2 spatial streams
Antenna gain: 3.3 dBi @ 2.4 GHz, 6.0 dBi @ 5 GHz
WPA12-PSK, WPA2-PSK, WPA2-Enterprise with 802.1X authentication, WPA23-PSK, WPA23-Enterprise with 802.1X authentication, WPA3-PSK, WPA3-Enterprise with 802.1X authentication
FCC (U.S.): 2.412-2.462 GHz, 5.150-5.250 GHz (UNII-1), 5.250-5.350 GHz (UNII-2), 5.470-5.725 GHz (UNII-2e), 5.725 -5.825 GHz (UNII-3)
CE (Europe): 2.412-2.484 GHz, 5.150-5.250 GHz (UNII-1), 5.250-5.350 GHz (UNII-2) 5.470-5.600 GHz, 5.660- 5.725 GHz (UNII-2e)
Additional regulatory information: IC (Canada), C-Tick (Australia/New Zealand), RoHS

[1] MX67C and MX68CW only.

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Cisco Secure Router specifications

Integrated cellular (C8111-C-G2 and C8121-CW-G2 only)
5G NR bands: 1, 2, 3, 5, 7, 8, 12, 13, 14, 18, 20, 25, 26, 28, 29, 30, 38, 40, 41, 48, 66, 70, 71, 75, 76, 77, 78, 79
LTE bands: 1,2, 3, 4, 5, 7, 8, 12, 13, 14, 18, 19, 20, 21, 25, 26, 28, 29, 30, 32, 34, 38, 39, 40, 41, 42, 43, 46, 48, 66, 71
5G NR Sub-6 and CAT 20 LTE
Additional regulatory information: PTCRB (North America), RCM (ANZ, APAC), GCF (EU)

Power over Ethernet (all versions of the C8111-G2 and C8121-G2)
3x UPOE+ (802.3bt Type 3 Class 4) LAN ports for C8121-G2s with a 45W per port maximum 1x UPOE+ (802.3bt Type 3 Class 4) LAN port for C8111-G2s with a 45W per port maximum
1x PoE+ (802.3at) WAN port with a 30W per port maximum

Regulatory
FCC (U.S.)
CB (IEC)
CISPR (Australia/New Zealand)
PTCRB (North America)
RCM (Australia Zealand, Asia Pacific)
GCF (EU)

Warranty
Cisco 8000 Series Secure Routers come standard with a Cisco Limited 2-Year Return to Factory Hardware Warranty. For more information, refer to the Cisco Limited Hardware Warranty Terms.

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MX specifications

Advanced security services[1]
Content filtering (Cisco Talos CIPA-compliant URL database)
Web-search filtering (including Google/Bing SafeSearch)
YouTube for Schools
Intrusion-prevention sensor (Snort based)
Cisco Advanced Malware Protection (AMP)
Secure Malware Analytics[2]
Integration with Cisco XDR[2]

[1] Advanced security services require Advanced Security license.

[2] Threat Grid services require additional sample pack licensing.

Integrated Wi-Fi (MX67W, MX68W, MX68CW)
1x 802.11a/n/ac (5 GHz) radio
1x 802.11b/g/n (2.4 GHz) radio
Max data rate 1.3 Gbps aggregate (MX67W, MX68W, MX68CW)
2x2 MU-MIMO with 2 spatial streams (MX67W, MX68W, MX68CW)
2x external dual-band dipole antennas (connector type: RP-SMA)
Antenna gain: 3.0 dBi @ 2.4 GHz, 3.5 dBi @ 5 GHz
WEP, WPA, WPA2-PSK, WPA2-Enterprise with 802.1X authentication
FCC (U.S.): 2.412-2.462 GHz, 5.150-5.250 GHz (UNII-1), 5.250-5.350 GHz (UNII-2), 5.470-5.725 GHz (UNII-2e), 5.725 -5.825 GHz (UNII-3)
CE (Europe): 2.412-2.484 GHz, 5.150-5.250 GHz (UNII-1), 5.250-5.350 GHz (UNII-2) 5.470-5.600 GHz, 5.660-5.725 GHz (UNII-2e)
Additional regulatory information: IC (Canada), C-Tick (Australia/New Zealand), RoHS

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MX specifications

Integrated cellular (MX67C and MX68CW only)
LTE bands: 2, 4, 5, 12, 13, 17, and 19 (North America). 1, 3, 5, 7, 8, 20, 26, 28A, 28B, 34, 38, 39, 40, and 41 (worldwide).
300 Mbps CAT 6 LTE
Additional regulatory information: PTCRB (North America), RCM (ANZ, APAC), GCF (EU)

Power over Ethernet (MX68, MX68W, MX68CW)
2x PoE+ (802.3at) LAN ports
1x PoE+ (802.3at) WAN ports
30W maximum per port

Regulatory
FCC (U.S.)
CB (IEC)
CISPR (Australia/New Zealand)
PTCRB (North America)
RCM (Australia/New Zealand, Asia Pacific)
GCF (EU)

Warranty
Full lifetime hardware warranty with next-day advanced replacement included. Cisco 8000 Series Secure Routers come standard with a Cisco Limited 2-Year Return to Factory Hardware Warranty. For more information, refer to the Cisco Limited Hardware Warranty Terms.

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Ordering information and SKU

Hardware and license SKUs list

Model	License	Description
C8110L-G2-MX	LIC-C8110L-ENT-1Y LIC-C8110L-ENT-3Y LIC-C8110L-ENT-5Y LIC-C8110L-ENT-7Y	Cisco C8110L MX, 1-year Enterprise License and Support Cisco C8110L MX, 3-year Enterprise License and Support Cisco C8110L MX, 5-year Enterprise License and Support Cisco C8110L MX, 7-year Enterprise License and Support
	LIC-C81110L-SEC-1Y LIC-C8110L-SEC-3Y LIC-C8110L-SEC-5Y LIC-C8110L-SEC-7Y	Cisco C8110L MX, 1-year Advanced Security License and Support Cisco C8110L MX, 3-year Advanced Security License and Support Cisco C8110L MX, 5-year Advanced Security License and Support Cisco C8110L MX, 7-year Advanced Security License and Support
	LIC-C8110L-SDW-1Y LIC-C8110L-SDW-3Y LIC-C8110L-SDW-5Y LIC-C8110L-SDW-7Y	Cisco C8110L MX, 1-year Secure SD-WAN Plus License and Support Cisco C8110L MX, 3-year Secure SD-WAN Plus License and Support Cisco C8110L MX, 5-year Secure SD-WAN Plus License and Support Cisco C8110L MX, 7-year Secure SD-WAN Plus License and Support
C8111-G2-MX/ **C8111-C-G2-MX**	LIC-C8111-ENT-1Y LIC-C8111-ENT-3Y LIC-C8111-ENT-5Y LIC-C8111-ENT-7Y	Cisco C8111 MX, 1-year Enterprise License and Support Cisco C8111 MX, 3-year Enterprise License and Support Cisco C8111 MX, 5-year Enterprise License and Support Cisco C8111 MX, 7-year Enterprise License and Support
	LIC-C8111-SEC-1Y LIC-C8111-SEC-3Y LIC-C8111-SEC-5Y LIC-C8111-SEC-7Y	Cisco C8111 MX, 1-year Advanced Security License and Support Cisco C8111 MX, 3-year Advanced Security License and Support Cisco C8111 MX, 5-year Advanced Security License and Support Cisco C8111 MX, 7-year Advanced Security License and Support
	LIC-C8111-SDW-1Y LIC-C8111-SDW-3Y LIC-C8111-SDW-5Y LIC-C8111-SDW-7Y	Cisco C8111 MX, 1-year Secure SD-WAN Plus License and Support Cisco C8111 MX, 3-year Secure SD-WAN Plus License and Support Cisco C8111 MX, 5-year Secure SD-WAN Plus License and Support Cisco C8111 MX, 7-year Secure SD-WAN Plus License and Support
C8121-G2-MX/ **C8121-W-G2-MX/** **C8121-CW-G2-MX**	LIC-C8121-ENT-1Y LIC-C8121-ENT-3Y LIC-C8121-ENT-5Y LIC-C8121-ENT-7Y	Cisco C8121 MX, 1-year Enterprise License and Support Cisco C8121 MX, 3-year Enterprise License and Support Cisco C8121 MX, 5-year Enterprise License and Support Cisco C8121 MX, 7-year Enterprise License and Support
	LIC-C8121-SEC-1Y LIC-C8121-SEC-3Y LIC-C8121-SEC-5Y LIC-C8121-SEC-7Y	Cisco C8121 MX, 1-year Advanced Security License and Support Cisco C8121 MX, 3-year Advanced Security License and Support Cisco C8121 MX, 5-year Advanced Security License and Support Cisco C8121 MX, 7-year Advanced Security License and Support
	LIC-C8121-SDW-1Y LIC-C8121-SDW-3Y LIC-C8121-SDW-5Y LIC-C8121-SDW-7Y	Cisco C8121 MX, 1-year Secure SD-WAN Plus License and Support Cisco C8121 MX, 3-year Secure SD-WAN Plus License and Support Cisco C8121 MX, 5-year Secure SD-WAN Plus License and Support Cisco C8121 MX, 7-year Secure SD-WAN Plus License and Support

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Hardware and license SKU list

Model	License	Description
MX67-HW	LIC-MX67-ENT-1Y LIC-MX67-ENT-3Y LIC-MX67-ENT-5Y LIC-MX67-ENT-7Y	Cisco Meraki MX67, 1-year Enterprise License and Support Cisco Meraki MX67, 3-year Enterprise License and Support Cisco Meraki MX67, 5-year Enterprise License and Support Cisco Meraki MX67, 7-year Enterprise License and Support
	LIC-MX67-SEC-1Y LIC-MX67-SEC-3Y LIC-MX67-SEC-5Y LIC-MX67-SEC-7Y	Cisco Meraki MX67, 1-year Advanced Security License and Support Cisco Meraki MX67, 3-year Advanced Security License and Support Cisco Meraki MX67, 5-year Advanced Security License and Support Cisco Meraki MX67, 7-year Advanced Security License and Support
	LIC-MX67-SDW-1Y LIC-MX67-SDW-3Y LIC-MX67-SDW-5Y LIC-MX67-SDW-7Y	Cisco Meraki MX67, 1-year Secure SD-WAN Plus License and Support Cisco Meraki MX67, 3-year Secure SD-WAN Plus License and Support Cisco Meraki MX67, 5-year Secure SD-WAN Plus License and Support Cisco Meraki MX67, 7-year Secure SD-WAN Plus License and Support
MX67W-HW	LIC-MX67W-ENT-1Y LIC-MX67W-ENT-3Y LIC-MX67W-ENT-5Y LIC-MX67W-ENT-7Y	Cisco Meraki MX67W, 1-year Enterprise License and Support Cisco Meraki MX67W, 3-year Enterprise License and Support Cisco Meraki MX67W, 5-year Enterprise License and Support Cisco Meraki MX67W, 7-year Enterprise License and Support
	LIC-MX67W-SEC-1Y LIC-MX67W-SEC-3Y LIC-MX67W-SEC-5Y LIC-MX67W-SEC-7Y	Cisco Meraki MX67W, 1-year Advanced Security License and Support Cisco Meraki MX67W, 3-year Advanced Security License and Support Cisco Meraki MX67W, 5-year Advanced Security License and Support Cisco Meraki MX67W, 7-year Advanced Security License and Support
	LIC-MX67W-SDW-1Y LIC-MX67W-SDW-3Y LIC-MX67W-SDW-5Y LIC-MX67W-SDW-7Y	Cisco Meraki MX67W, 1-year Secure SD-WAN Plus License and Support Cisco Meraki MX67W, 3-year Secure SD-WAN Plus License and Support Cisco Meraki MX67W, 5-year Secure SD-WAN Plus License and Support Cisco Meraki MX67W, 7-year Secure SD-WAN Plus License and Support

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Hardware and license SKU list

Model	License	Description
MX67C-HW-NA (North America)	LIC-MX67C-ENT-1Y LIC-MX67C-ENT-3Y LIC-MX67C-ENT-5Y LIC-MX67C-ENT-7Y	Cisco Meraki MX67C, 1-year Enterprise License and Support Cisco Meraki MX67C, 3-year Enterprise License and Support Cisco Meraki MX67C, 5-year Enterprise License and Support Cisco Meraki MX67C, 7-year Enterprise License and Support
MX67C-HW-WW (worldwide)	LIC-MX67C-SEC-1Y LIC-MX67C-SEC-3Y LIC-MX67C-SEC-5Y LIC-MX67C-SEC-7Y	Cisco Meraki MX67C, 1-year Advanced Security License and Support Cisco Meraki MX67C, 3-year Advanced Security License and Support Cisco Meraki MX67C, 5-year Advanced Security License and Support Cisco Meraki MX67C, 7-year Advanced Security License and Support
	LIC-MX67C-SDW-1Y LIC-MX67C-SDW-3Y LIC-MX67C-SDW-5Y LIC-MX67C-SDW-7Y	Cisco Meraki MX67C, 1-year Secure SD-WAN Plus License and Support Cisco Meraki MX67C, 3-year Secure SD-WAN Plus License and Support Cisco Meraki MX67C, 5-year Secure SD-WAN Plus License and Support Cisco Meraki MX67C, 7-year Secure SD-WAN Plus License and Support
MX68-HW	LIC-MX68-ENT-1Y LIC-MX68-ENT-3Y LIC-MX68-ENT-5Y LIC-MX68-ENT-7Y	Cisco Meraki MX68, 1-year Enterprise License and Support Cisco Meraki MX68, 3-year Enterprise License and Support Cisco Meraki MX68, 5-year Enterprise License and Support Cisco Meraki MX68, 7-year Enterprise License and Support
	LIC-MX68-SEC-1Y LIC-MX68-SEC-3Y LIC-MX68-SEC-5Y LIC-MX68-SEC-7Y	Cisco Meraki MX68, 1-year Advanced Security License and Support Cisco Meraki MX68, 3-year Advanced Security License and Support Cisco Meraki MX68, 5-year Advanced Security License and Support Cisco Meraki MX68, 7-year Advanced Security License and Support
	LIC-MX68-SDW-1Y LIC-MX68-SDW-3Y LIC-MX68-SDW-5Y LIC-MX68-SDW-7Y	Cisco Meraki MX68, 1-year Secure SD-WAN Plus License and Support Cisco Meraki MX68, 3-year Secure SD-WAN Plus License and Support Cisco Meraki MX68, 5-year Secure SD-WAN Plus License and Support Cisco Meraki MX68, 7-year Secure SD-WAN Plus License and Support

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Hardware and license SKU list

Model	License	Description
MX68W-HW	LIC-MX68W-ENT-1Y LIC-MX68W-ENT-3Y LIC-MX68W-ENT-5Y LIC-MX68W-ENT-7Y	Cisco Meraki MX68W, 1-year Enterprise License and Support Cisco Meraki MX68W, 3-year Enterprise License and Support Cisco Meraki MX68W, 5-year Enterprise License and Support Cisco Meraki MX68W, 7-year Enterprise License and Support
	LIC-MX68W-SEC-1Y LIC-MX68W-SEC-3Y LIC-MX68W-SEC-5Y LIC-MX68W-SEC-7Y	Cisco Meraki MX68W, 1-year Advanced Security License and Support Cisco Meraki MX68W, 3-year Advanced Security License and Support Cisco Meraki MX68W, 5-year Advanced Security License and Support Cisco Meraki MX68W, 7-year Advanced Security License and Support
	LIC-MX68W-SDW-1Y LIC-MX68W-SDW-3Y LIC-MX68W-SDW-5Y LIC-MX68W-SDW-7Y	Cisco Meraki MX68W, 1-year Secure SD-WAN Plus License and Support Cisco Meraki MX68W, 3-year Secure SD-WAN Plus License and Support Cisco Meraki MX68W, 5-year Secure SD-WAN Plus License and Support Cisco Meraki MX68W, 7-year Secure SD-WAN Plus License and Support
MX68CW-HW-NA (North America)	LIC-MX68CW-ENT-1Y LIC-MX68CW-ENT-3Y LIC-MX68CW-ENT-5Y LIC-MX68CW-ENT-7Y	Cisco Meraki MX68CW, 1-year Enterprise License and Support Cisco Meraki MX68CW, 3-year Enterprise License and Support Cisco Meraki MX68CW, 5-year Enterprise License and Support Cisco Meraki MX68CW, 7-year Enterprise License and Support
MX68CW-HW-WW (worldwide)	LIC-MX68CW-SEC-1Y LIC-MX68CW-SEC-3Y LIC-MX68CW-SEC-5Y LIC-MX68CW-SEC-7Y	Cisco Meraki MX68CW, 1-year Advanced Security License and Support Cisco Meraki MX68CW, 3-year Advanced Security License and Support Cisco Meraki MX68CW, 5-year Advanced Security License and Support Cisco Meraki MX68CW, 7-year Advanced Security License and Support
	LIC-MX68CW-SDW-1Y LIC-MX68CW-SDW-3Y LIC-MX68CW-SDW-5Y LIC-MX68CW-SDW-7Y	Cisco Meraki MX68CW, 1-year Secure SD-WAN Plus License and Support Cisco Meraki MX68CW, 3-year Secure SD-WAN Plus License and Support Cisco Meraki MX68CW, 5-year Secure SD-WAN Plus License and Support Cisco Meraki MX68CW, 7-year Secure SD-WAN Plus License and Support

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Hardware and license SKU list

Model	License	Description
MX75-HW	LIC-MX75-ENT-1Y LIC-MX75-ENT-3Y LIC-MX75-ENT-5Y	Cisco Meraki MX75, 1-year Enterprise License and Support Cisco Meraki MX75, 3-year Enterprise License and Support Cisco Meraki MX75, 5-year Enterprise License and Support
	LIC-MX75-SEC-1Y LIC-MX75-SEC-3Y LIC-MX75-SEC-5Y	Cisco Meraki MX75, 1-year Advanced Security License and Support Cisco Meraki MX75, 3-year Advanced Security License and Support Cisco Meraki MX75, 5-year Advanced Security License and Support
	LIC-MX75-SDW-1Y LIC-MX75-SDW-3Y LIC-MX75-SDW-5Y	Cisco Meraki MX75, 1-year Secure SD-WAN Plus License and Support Cisco Meraki MX75, 3-year Secure SD-WAN Plus License and Support Cisco Meraki MX75, 5-year Secure SD-WAN Plus License and Support
MX85-HW	LIC-MX85-ENT-1Y LIC-MX85-ENT-3Y LIC-MX85-ENT-5Y	Cisco Meraki MX85, 1-year Enterprise License and Support Cisco Meraki MX85, 3-year Enterprise License and Support Cisco Meraki MX85, 5-year Enterprise License and Support
	LIC-MX85-SEC-1Y LIC-MX85-SEC-3Y LIC-MX85-SEC-5Y	Cisco Meraki MX85, 1-year Advanced Security License and Support Cisco Meraki MX85, 3-year Advanced Security License and Support Cisco Meraki MX85, 5-year Advanced Security License and Support
	LIC-MX85-SDW-1Y LIC-MX85-SDW-3Y LIC-MX85-SDW-5Y	Cisco Meraki MX85, 1-year Secure SD-WAN Plus License and Support Cisco Meraki MX85, 3-year Secure SD-WAN Plus License and Support Cisco Meraki MX85, 5-year Secure SD-WAN Plus License and Support
MX95-HW	LIC-MX95-ENT-1Y LIC-MX95-ENT-3Y LIC-MX95-ENT-5Y	Cisco Meraki MX95, 1-year Enterprise License and Support Cisco Meraki MX95, 3-year Enterprise License and Support Cisco Meraki MX95, 5-year Enterprise License and Support
	LIC-MX95-SEC-1Y LIC-MX95-SEC-3Y LIC-MX95-SEC-5Y	Cisco Meraki MX95, 1-year Advanced Security License and Support Cisco Meraki MX95, 3-year Advanced Security License and Support Cisco Meraki MX95, 5-year Advanced Security License and Support
	LIC-MX95-SDW-1Y LIC-MX95-SDW-3Y LIC-MX95-SDW-5Y	Cisco Meraki MX95, 1-year Secure SD-WAN Plus License and Support Cisco Meraki MX95, 3-year Secure SD-WAN Plus License and Support Cisco Meraki MX95, 5-year Secure SD-WAN Plus License and Support

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Hardware and license SKU list

Model	License	Description
MX105-HW	LIC-MX105-ENT-1Y LIC-MX105-ENT-3Y LIC-MX105-ENT-5Y	Cisco Meraki MX105, 1-year Enterprise License and Support Cisco Meraki MX105, 3-year Enterprise License and Support Cisco Meraki MX105, 5-year Enterprise License and Support
	LIC-MX105-SEC-1Y LIC-MX105-SEC-3Y LIC-MX105-SEC-5Y	Cisco Meraki MX105, 1-year Advanced Security License and Support Cisco Meraki MX105, 3-year Advanced Security License and Support Cisco Meraki MX105, 5-year Advanced Security License and Support
	LIC-MX105-SDW-1Y LIC-MX105-SDW-3Y LIC-MX105-SDW-5Y	Cisco Meraki MX105, 1-year Secure SD-WAN Plus License and Support Cisco Meraki MX105, 3-year Secure SD-WAN Plus License and Support Cisco Meraki MX105, 5-year Secure SD-WAN Plus License and Support
MX250-HW	LIC-MX250-ENT-1Y LIC-MX250-ENT-3Y LIC-MX250-ENT-5Y LIC-MX250-ENT-7Y	Cisco Meraki MX250, 1-year Enterprise License and Support Cisco Meraki MX250, 3-year Enterprise License and Support Cisco Meraki MX250, 5-year Enterprise License and Support Cisco Meraki MX250, 7-year Enterprise License and Support
	LIC-MX250-SEC-1Y LIC-MX250-SEC-3Y LIC-MX250-SEC-5Y LIC-MX250-SEC-7Y	Cisco Meraki MX250, 1-year Advanced Security License and Support Cisco Meraki MX250, 3-year Advanced Security License and Support Cisco Meraki MX250, 5-year Advanced Security License and Support Cisco Meraki MX250, 7-year Advanced Security License and Support
	LIC-MX250-SDW-1Y LIC-MX250-SDW-3Y LIC-MX250-SDW-5Y LIC-MX250-SDW-7Y	Cisco Meraki MX250, 1-year Secure SD-WAN Plus License and Support Cisco Meraki MX250, 3-year Secure SD-WAN Plus License and Support Cisco Meraki MX250, 5-year Secure SD-WAN Plus License and Support Cisco Meraki MX250, 7-year Secure SD-WAN Plus License and Support
MX450-HW	LIC-MX450-ENT-1Y LIC-MX450-ENT-3Y LIC-MX450-ENT-5Y LIC-MX450-ENT-7Y	Cisco Meraki MX450, 1-year Enterprise License and Support Cisco Meraki MX450, 3-year Enterprise License and Support Cisco Meraki MX450, 5-year Enterprise License and Support Cisco Meraki MX450, 7-year Enterprise License and Support
	LIC-MX450-SEC-1Y LIC-MX450-SEC-3Y LIC-MX450-SEC-5Y LIC-MX450-SEC-7Y	Cisco Meraki MX450, 1-year Advanced Security License and Support Cisco Meraki MX450, 3-year Advanced Security License and Support Cisco Meraki MX450, 5-year Advanced Security License and Support Cisco Meraki MX450, 7-year Advanced Security License and Support
	LIC-MX450-SDW-1Y LIC-MX450-SDW-3Y LIC-MX450-SDW-5Y LIC-MX450-SDW-7Y	Cisco Meraki MX450, 1-year Secure SD-WAN Plus License and Support Cisco Meraki MX450, 3-year Secure SD-WAN Plus License and Support Cisco Meraki MX450, 5-year Secure SD-WAN Plus License and Support Cisco Meraki MX450, 7-year Secure SD-WAN Plus License and Support

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Hardware and license SKU list

Model	License	Description
C8455-G2-MX	LIC-C8455-ENT-1Y LIC-C8455-ENT-3Y LIC-C8455-ENT-5Y LIC-C8455-ENT-7Y	Cisco C8455 MX, 1-year Enterprise License and Support Cisco C8455 MX, 3-year Enterprise License and Support Cisco C8455 MX, 5-year Enterprise License and Support Cisco C8455 MX, 7-year Enterprise License and Support
	LIC-C8455-SEC-1Y LIC-C8455-SEC-3Y LIC-C8455-SEC-5Y LIC-C8455-SEC-7Y	Cisco C8455 MX, 1-year Advanced Security License and Support Cisco C8455 MX, 3-year Advanced Security License and Support Cisco C8455 MX, 5-year Advanced Security License and Support Cisco C8455 MX, 7-year Advanced Security License and Support
	LIC-C8455-SDW-1Y LIC-C8455-SDW-3Y LIC-C8455-SDW-5Y LIC-C8455-SDW-7Y	Cisco C8455 MX, 1-year Advanced Security License and Support Cisco C8455 MX, 3-year Advanced Security License and Support Cisco C8455 MX, 5-year Advanced Security License and Support Cisco C8455 MX, 7-year Advanced Security License and Support
C8355-G2-MX	LIC-C8355-ENT-1Y LIC-C8355-ENT-3Y LIC-C8355-ENT-5Y LIC-C8355-ENT-7Y	Cisco C8355-G2-MX, 1-year Enterprise License and Support Cisco C8355-G2-MX, 3-year Enterprise License and Support Cisco C8355-G2-MX, 5-year Enterprise License and Support Cisco C8355-G2-MX, 7-year Enterprise License and Support
	LIC-C8355-SEC-1Y LIC-C8355-SEC-3Y LIC-C8355-SEC-5Y LIC-C8355-SEC-7Y	Cisco C8355-G2-MX, 1-year Advanced Security License and Support Cisco C8355-G2-MX, 3-year Advanced Security License and Support Cisco C8355-G2-MX, 5-year Advanced Security License and Support Cisco C8355-G2-MX, 7-year Advanced Security License and Support
	LIC-C8355-SDW-1Y LIC-C8355-SDW-3Y LIC-C8355-SDW-5Y LIC-C8355-SDW-7Y	Cisco C8355-G2-MX, 1-year Advanced Security License and Support Cisco C8355-G2-MX, 3-year Advanced Security License and Support Cisco C8355-G2-MX, 5-year Advanced Security License and Support Cisco C8355-G2-MX, 7-year Advanced Security License and Support

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Hardware and license SKU list

Model	License	Description
C8235-G2-MX	LIC-C8235-ENT-1Y LIC-C8235-ENT-3Y LIC- C8235 -ENT-5Y LIC- C8235 -ENT-7Y	Cisco C8235-G2-MX, 1-year Enterprise License and Support Cisco C8235 -G2-MX, 3-year Enterprise License and Support Cisco C8235 -G2-MX, 5-year Enterprise License and Support Cisco C8235 -G2-MX, 7-year Enterprise License and Support
	LIC- C8235 -SEC-1Y LIC- C8235 -SEC-3Y LIC- C8235 -SEC-5Y LIC- C8235 -SEC-7Y	Cisco C8235 -G2-MX, 1-year Advanced Security License and Support Cisco C8235 -G2-MX, 3-year Advanced Security License and Support Cisco C8235 -G2-MX, 5-year Advanced Security License and Support Cisco C8235 -G2-MX, 7-year Advanced Security License and Support
	LIC- C8235 -SDW-1Y LIC- C8235 -SDW-3Y LIC- C8235 -SDW-5Y LIC- C8235 -SDW-7Y	Cisco C8235 -G2-MX, 1-year Advanced Security License and Support Cisco C8235 -G2-MX, 3-year Advanced Security License and Support Cisco C8235 -G2-MX, 5-year Advanced Security License and Support Cisco C8235 -G2-MX, 7-year Advanced Security License and Support
vMX	LIC-VMX-S-ENT-1Y LIC-VMX-S-ENT-3Y LIC-VMX-S-ENT-5Y	Cisco Meraki Small vMX, 1-year License and Support Cisco Meraki Small vMX, 3-year License and Support Cisco Meraki Small vMX, 5-year License and Support
	LIC-VMX-S-SEC-1Y LIC-VMX-S-SEC-3Y LIC-VMX-S-SEC-5Y	Cisco Meraki Small vMX Advanced Security, 1-year License and Support Cisco Meraki Small vMX Advanced Security, 3-year License and Support Cisco Meraki Small vMX Advanced Security, 5-year License and Support
	LIC-VMX-M-ENT-1Y LIC-VMX-M-ENT-3Y LIC-VMX-M-ENT-5Y	Cisco Meraki Medium vMX, 1-year License and Support Cisco Meraki Medium vMX, 3-year License and Support Cisco Meraki Medium vMX, 5-year License and Support
	LIC-VMX-M-SEC-1Y LIC-VMX-M-SEC-3Y LIC-VMX-M-SEC-5Y	Cisco Meraki Medium vMX Advanced Security, 1-year License and Support Cisco Meraki Medium vMX Advanced Security, 3-year License and Support Cisco Meraki Medium vMX Advanced Security, 5-year License and Support
	LIC-VMX-L-ENT-1Y LIC-VMX-L-ENT-3Y LIC-VMX-L-ENT-5Y	Cisco Meraki Large vMX, 1-year License and Support Cisco Meraki Large vMX, 3-year License and Support Cisco Meraki Large vMX, 5-year License and Support
	LIC-VMX-L-SEC-1Y LIC-VMX-L-SEC-3Y LIC-VMX-L-SEC-5Y	Cisco Meraki vMX Large Advanced Security, 1-year License and Support Cisco Meraki vMX Large Advanced Security, 3-year License and Support Cisco Meraki vMX Large Advanced Security, 5-year License and Support

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Hardware and license SKU list

Model		License	Description
MX	MX67 and MX68 models	LIC-MX-S-E LIC-MX-S-A	Meraki MX Small Essentials Subscription License and Support Meraki MX Small Advantage Subscription License and Support
	MX67 and MX68 models	LIC-MX-M-E LIC-MX-M-A	Meraki MX Medium Essentials Subscription License and Support Meraki MX Medium Advantage Subscription License and Support
	MX67 and MX68 models	LIC-MX-L-E LIC-MX-L-A	Meraki MX Large Essentials Subscription License and Support Meraki MX Large Advantage Subscription License and Support
	MX250 and MX450 models	LIC-MX-XL-E LIC-MX-XL-A	Meraki MX X-Large Essentials Subscription License and Support Meraki MX X-Large Advantage Subscription License and Support
	Z models	LIC-Z-E LIC-Z-A	Meraki MX X-Large Essentials Subscription License and Support Meraki MX X-Large Advantage Subscription License and Support
C8K-MK	C8110L-G2-MX	LIC-CSR-S-E LIC-CSR-S-A	Cisco Sec 8000 MX Router Small Essentials Subscription License and Support Cisco Sec 8000 MX Router Small Advantage Subscription License and Support
	C8111-G2-MX C8111-C-G2-MX	LIC-CSR-S-E LIC-CSR-S-A	Cisco Sec 8000 MX Router Small Essentials Subscription License and Support Cisco Sec 8000 MX Router Small Advantage Subscription License and Support
	C8121-G2-MX C8121-W-G2-MX C8121-CW-G2-MX	LIC-CSR-S-E LIC-CSR-S-A	Cisco Sec 8000 MX Router Small Essentials Subscription License and Support Cisco Sec 8000 MX Router Small Advantage Subscription License and Support
	C8235-G2-MX	LIC-CSR-M-E LIC-CSR-M-A	Cisco Sec 8000 MX Router Medium Essentials Subscription License and Support Cisco Sec 8000 MX Router Medium Advantage Subscription License and Support
	C8355-G2-MX	LIC-CSR-L-E LIC-CSR-L-A	Cisco Sec 8000 MX Router Large Essentials Subscription License and Support Cisco Sec 8000 MX Router Large Advantage Subscription License and Support
	C8455-G2-MX	LIC-CSR-XL-E LIC-CSR-XL-A	Cisco Sec 8000 MX Router XLarge Essentials Subscription License and Support Cisco Sec 8000 MX Router XLarge Advantage Subscription License and Support

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