

MS120-8-HW Datasheet

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Overview

MS120-8-HW is the Meraki MS120-8 1G L2 Cloud Managed 8x GigE Switch. Cisco Meraki MS120-8 compact switches provide Layer 2 access switching in a fanless, compact form factor. All models include 1GbE SFP ports for fiber uplink, integrated mounting brackets, and a Kensington security slot, making them ideal for rapid and secure deployment to branch location.

Quick Spec

Table 1 shows the quick spec.

SKU	MS120-8-HW
Interfaces	• 8 x 10/100/1000BASE-T Ethernet RJ45 with auto negotiation and crossover detection (auto-MDIX crossover) • 2 x 1GbE SFP uplink
Switching capacity	20 Gbps
Idle / Full Load Power	5 / 9 W
Power Supply Configuration	External Power Supply
Power Supply/Model Number	DC 12V/2.5A, 30W, MA-PWR-30WAC
What's included	1 x Mounting screw kit and anchor; 1 x External Power Supply
Dimensions	1.1 x 8.74 x 5.91" (2.8 x 22.2 x 15cm)
Weight	2.36 lb (1.07 kg)

Compatible Accessories & Licenses

Table 2 shows the accessories and licenses.

Model	Description
MA-SFP-1GB-TX	Meraki 1 GbE SFP Copper Module
MA-SFP-1GB-SX	Meraki 1000Base SX Multi-Mode
LIC-MS120-8-1YR	Meraki MS120-8 Enterprise License and Support. 1 Year
LIC-MS120-8-3YR	Meraki MS120-8 Enterprise License and Support. 3 Year
LIC-MS120-8-5YR	Meraki MS120-8 Enterprise License and Support. 5 Year
LIC-MS120-8-7YR	Meraki MS120-8 Enterprise License and Support. 7 Year

Compare to Similar Items

Table 3 shows the Meraki Access Switches Comparison.

Series	MS120-8	MS120
Deployment Type	Compact	Small branch & Office
Interfaces	8 x 1GbE RJ45	24/48 x 1GbE RJ45
Uplinks	2 x 1GbE SFP	4 x 1GbE SFP

PoE Capabilities	67W (LP model) 124W (FP model)	370W (P, LP models) 740W (FP model)
Power Configuration	External PSU (non-PoE, LP model) Internal (FP Model)	Internal
Stacking Capabilities	Virtual Only	Virtual Only
Routing Capabilities	DHCP Relay	DHCP Relay
Models	MS120-8-HW MS120-8LP-HW MS120-8FP-HW	MS120-24-HW MS120-24P-HW MS120-48-HW MS120-48LP-HW MS120-48FP-HW

Support & Resources

 [\[PDF\] Cisco Meraki MS120-8 Series Switches Datasheet](#)

 [\[PDF\] Cisco Meraki Switches Comparison](#)

Get more information

Do you have any question about the Meraki MS120-8-HW?
Contact us now via [Live Chat](#) or sales@router-switch.com.

Specification

MS120-8-HW Specification	
Interfaces	• 8 x 10/100/1000BASE-T Ethernet RJ45 with auto negotiation and crossover detection (auto-MDIX crossover) • 2 x 1GbE SFP uplink
Switching capacity	20 Gbps
Forwarding rate	14.88mpps with standard packet size
Idle / Full Load Power	5 / 9 W
Power Supply Configuration	External Power Supply
Power Supply/Model Number	DC 12V/2.5A, 30W, MA-PWR-30WAC
What’s included	1 x Mounting screw kit and anchor; 1 x External Power Supply
Dimensions	1.1 x 8.74 x 5.91” (2.8 x 22.2 x 15cm)
Weight	2.36 lb (1.07 kg)
Management	• Managed via the Web with the Meraki cloud management platform • Integrated with Meraki Wireless and complete portfolio of IT products and solutions • Zero-touch remote provisioning (no staging needed) • Detailed historical per-port and per-client usage statistics • DHCP, client, and hostname fingerprinting • SNMPd and SYSLOG support for integration with other network management solutions • Automatic firmware upgrades with scheduling control
Layer 3	• DHCP Relay
Remote Diagnostics	• Email, SMS and Mobile push notification alerts • Cable testing and link failure detection with alerting • Live remote packet capture • Dynamic and interactive network discovery and topology • Combined event and configuration change logs with instant search

Stacking	Virtual Stacking supports thousands of switch ports in a single logical stack for unified management, monitoring, and configuration
Power	• Power input: 100 - 240 VAC, 47-63 Hz • Power consumption: 5 - 161W
Mounting	• Wall or utility board mountable with included mount hardware • Desktop-mountable with included feet • Kensington lock slot included
Ethernet Switching Capabilities	• 802.1p Quality of Service, 8 queues (w/ 6 configurable for DSCP-to-CoS mapping) • 802.1Q VLAN and trunking support for up to 4,094 VLANs • 802.1w, 802.1D Rapid Spanning Tree Protocol (RSTP, STP) • Broadcast storm control • 802.1ab Link Layer Discovery Protocol (LLDP) and Cisco Discovery Protocol (CDP) • 802.3ad Link aggregation with up to 8 ports per aggregate, Multichassis aggregates supported on stacked switches • Port mirroring • IGMP snooping for multicast filtering • MAC forwarding entries: 16K
Environment	• Operating temperature: 0°C to 45°C • Humidity: 5 to 95% non-condensing • Fanless operation
Regulatory	• CSA-US (US, Canada) • FCC (USA) • IC (Canada) • CE (Europe) • RCM (Australia/New Zealand) • RoHS
Security	• Integrated two-factor authentication for Dashboard management • Role-based access control (RBAC) with granular device and configuration control • Corporate wide password policy enforcement • IEEE 802.1X RADIUS and MAB, hybrid authentication and RADIUS server testing • Multi-Domain/Multi-Host/Multi Authentication • Port security: Sticky MAC, MAC whitelisting • DHCP snooping, detection and blocking, Dynamic ARP Inspection • STP Enhancements: BPDU guard, Root guard, Loop guard • IPv4 and IPv6 ACLs
MTBF Ratings	784,221

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