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Overview

MS220-8P-HW is the Cisco Meraki MS220-8P L2 Cloud Managed 8 Port GigE 124W PoE Switch. The Cisco 220 Series, part of the Cisco small and midsize business portfolio, is a series of affordable smart switches equipped with security, performance, and ease of use to help build a solid business network within a restricted budget. Offered with a limited lifetime warranty, these switches deliver a powerful combination of features at a lower cost than fully managed switches.

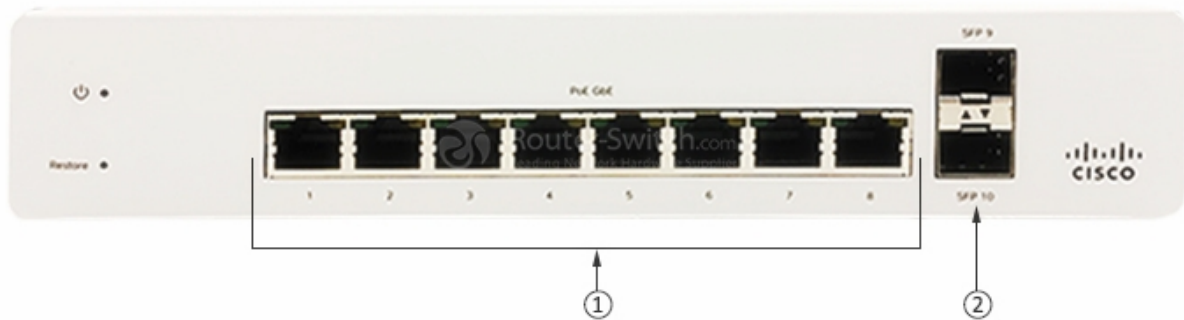
Quick Spec

Table 1 shows the quick spec.

SKU	MS220-8P-HW
Interfaces	8-port PoE gigabit 2 SFP interfaces
Switching capacity	20 Gbps non-blocking
Power over Ethernet	802.3af (PoE) 15.4 W per port and 802.3at (PoE+) 30 W per port
Maximum PoE output	124 W
Power input	100-240 VAC, 47-63 Hz
Power consumption	13-159 W max
Dimensions	9.1" (W) x 8.7" (L) x 1.8" (H) (23.0 x 22.0 x 4.4 cm)
Weight	3.0 lbs (1.3 kg)

Product Details

Figure 1 shows the front panel.



Note: (1) 8-port PoE gigabit (2) 2 SFP interfaces

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-MS220-8P-1YR	Meraki MS220-8P Enterprise License 1YR
LIC-MS220-8P-3YR	Meraki MS220-8P Enterprise License 3YR
LIC-MS220-8P-5YR	Meraki MS220-8P Enterprise License 5YR
LIC-MS220-8P-7YR	Meraki MS220-8P Enterprise License 7YR

Compare to Similar Items

Table 3 shows the comparison.

SKU	MS120-8-HW	MS120-8LP-HW	MS120-8FP-HW	MS220-8	MS220-8P-HW
Interfaces	8 × GbE 2 × SFP	8 × GbE 2 × SFP	8 × GbE 2 × SFP	8 × GbE 2 × SFP	8 × GbE 2 × SFP
Total PoE/PoE+ budget	—	67 W	124 W	—	124 W
Switching capacity	20 Gbps	20 Gbps	20 Gbps	20 Gbps	20 Gbps
Idle / Loaded power consumption	6 / 9 W	7 / 88 W	9 / 162 W	5 / 10 W	10 / 149 W
Stacking	Virtual	Virtual	Virtual	Virtual	Virtual

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Specification

MS220-8P-HW Specification	
Description	Meraki MS220-8P L2 Cloud Managed 8 Port GigE 124W PoE Switch
Interfaces	8 × 10/100/1000BASE-T Ethernet (RJ45) with auto-MDIX crossover
	48V DC 802.3af/802.3at Power-over-Ethernet (PoE/PoE+) on the MS220-8P model, available on all ports (maximum of 30W per port for PoE+)
	2 × SFP Gigabit Ethernet interfaces for uplink
	Auto negotiation and crossover detection
Ethernet switching capabilities	802.1p Quality of Service prioritization
	802.1Q VLAN tagging with 4,095 addressable tags
	802.1D Spanning Tree Protocol (RSTP, STP)
	802.1ab Link Layer Discovery Protocol (LLDP)
	802.3ad link aggregation with up to 8 ports per aggregate
	Broadcast storm control
	IGMP snooping for multicast filtering
	MAC forwarding table entries: 8,000

Security	Integrated two-factor authentication
	Role-based administration
	Corporate wide password policy enforcement
	IEEE 802.1X port-based security
Performance	Non-blocking fabric
	20 Gbps non-blocking switching capacity
	2.5 microsecond latency
Power over Ethernet	802.3af (PoE) 15.4 W per port and 802.3at (PoE+) 30 W per port
	Maximum PoE output: 124 W
	PoE available on all ports simultaneously
	Pre-standard PoE: supports pre-standard PoE devices
Management	Managed via the cloud using the Meraki dashboard
	Integrated with Meraki wireless, routing, and firewall management
	No-touch remote deployment (no staging needed)
	Detailed historical per-port and per-client usage statistics
	DHCP and hostname fingerprinting
	SNMP v2c
	Seamless over-the-web firmware upgrades
Remote diagnostics	Email and text alerts
	Live remote packet capture
	Aggregated event logs with instant search
Scalable stacking	Unified configuration and monitoring of all switches
	Virtually stack 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: 13-159 W max
Environment	Operating temperature: 32°F to 104°F (0°C to 40°C)
	Humidity: 5 to 95% non-condensing
	Silent operation for office environments
	Surface (wall/desk) mountable with integrated brackets
Physical dimensions	Weight: 3.0 lbs (1.3 kg)
	9.1"(w) x 8.7" (l) x 1.8" (h) (23.0 x 22.0 x 4.4 cm)

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