

## **MCRONIC MC1930 Series Cloud Managed Switch**

### Product Overview

The MCRONIC MC1930 Series is a full-gigabit, high-power switching solution developed by MCRONIC. It is designed for enterprise access networks, residential user access networks, and other centralized access networks within medium and small-scale infrastructures. The MC1930 Series includes three models: MC1930-04110-MP-B, MC1930-08020-MP-B, and MC1930-24220-MP-B, offering flexible options to meet the needs of networks of various sizes.

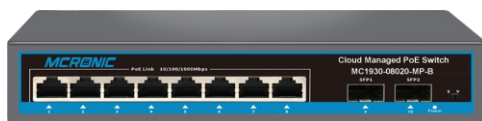
### Product Description



MC1930-04110-MP-B  
4 1000 Base-T ports+1 Up Link+  
1 gigabit combo SFP ports

4 1000 Base-T ports+1 Up  
Link+ 1 gigabit combo SFP  
ports

Switching Capacity: 8Gbps



MC1930-08020-MP-B  
8 1000 Base-T ports+  
2 gigabit combo SFP ports

8 1000 Base-T ports+ 2 gigabit  
combo SFP ports

Switching Capacity: 16Gbps



MC1930-24220-MP-B  
24 1000 Base-T ports+2 Up Link+  
2 gigabit combo SFP ports

24 1000 Base-T ports+2 Up  
Link+ 2 gigabit combo SFP  
ports

Switching Capacity: 48Gbps

## Product Characteristics

- Common core management capabilities supported across all models:
- **L2 Management:** Supports Layer 2 management features like VLAN, QoS, IGMP Snooping, and PoE management.
- **Interface:** WEB management, TELNET, CLI management (explicitly stated for MC1930-04110-MP-B and MC1930-08020-MP-B, implicit for MC1930-24220-MP-B via WEB and cloud), and APP cloud management.
- **Port Function:** Power priority mechanism, MAC automatic learning and aging.
- **VLAN:** All models support various VLAN modes (e.g., Port VLAN, 802.1Q VLAN)
- **QoS:** Supports 802.1p (COS) classification, DSCP classification, port classification, and SP, WRR, WFQ scheduling strategies.
- **Common Software and Management Features**
- The following key software and management functions are supported across all models:
- **L2 Management:** Support for VLAN, QoS, IGMP Snooping, and PoE management.
- **Web Management:** Web interface management.
- **Management IP:** Supports static IP and dynamic IP acquisition via DHCP.
- **User Settings:** Support for changing username and password.
- **Port Management:** Supports enabling/disabling ports, MTU settings, and configuration of speed/duplex/flow control.
- **Loop Protection:** Support for loopback protection.
- **Port Rate Limiting:** Support for limiting port ingress and egress rates.
- **EEE:** Energy-Efficient Ethernet (EEE) protocol support.
- **MAC Management:** Supports limiting the number of learned MAC addresses per port, adding/deleting static MAC addresses, MAC address search, and viewing the dynamic MAC address table.
- **Storm Suppression:** Support for unknown unicast, multicast, and broadcast packet storm suppression.
- **Traffic Monitoring:** Support for monitoring sent and received bytes and message counts.
- **Cloud Connectivity:** APP cloud management (Cloud-network Link).
- **System Management:** Supports system upgrade, backup and restore, reset, Web restart, configuration saving, and Chinese/English language switching.
- **Safety:** Compliance with safety standards such as UL60950(60065), IEC/EN60065(60950), Gb4943.

Product Specifications

Feature	MC1930-08020-MP-B	MC1930-04110-MP-B	MC1930-24220-MP-B
Product Name	Cloud-managed PoE Switch	Cloud-managed PoE Switch	Cloud-managed PoE Switch
Total PoE Ports	8 * 1000Mbps PoE Ports	4 * 1000Mbps PoE Ports	24 * 1000Mbps PoE Ports
SFP Ports	2 * 1000Mbps SFP Ports	1 * 1000Mbps SFP Port	2 * 1000Mbps SFP Ports
Uplink Ports	None	1 * 1000Mbps Uplink Port	2 * 1000Mbps Uplink Ports
Max. Total PoE Power	120W	75W	400W
Switching Capability	20Gbps	12Gbps	56Gbps
Packet Forwarding Rate	11.9Mpps	8.93Mpps	41.66Mpps
Operating Temperature	-10°C - 55°C	-10°C - 55°C	-10°C - 55°C
Storage Temperature	-40°C - 85°C	-40°C - 85°C	-40°C - 85°C
Operating Humidity	10% to 90% RH (non-condensing)	10% to 90% RH (non-condensing)	10% to 90% RH (non-condensing)
PoE Protocol	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at
Max. Single Port PoE Power	≤30W	≤30W	≤30W
Management	WEB, TELNET, CLI, Cloud	WEB, TELNET, CLI, Cloud	WEB, TELNET, CLI, Cloud
Port Lightning Protection	4KV	4KV	4KV
Input Voltage (Nominal)	220 Vac	220 Vac	220 Vac
Input Frequency (Nominal)	50 Hz	50 Hz	50 Hz