

LMP-1802G-M12-10G-SFP-67-110 Series

18-Port Industrial M12 IP67 Waterproof Gigabit PoE+ Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded) (30W/Port) and 2*1G/10G SFP Slots; 24~110VDC Power Input



Features

- ▶ 16-Port 10/100/1000Base-T(X) Ethernet with IEEE 802.3af/at compliant (30W/Port)
- ▶ 2-Port 1G/10G SFP Slots
- ▶ Multi-user Account for Security
- ▶ Bypass Design for Daisy Chain Redundancy
- ▶ Configuration: http, https, CLI Command, Telnet, SNMP, SSH
- ▶ Network Redundancy Support: G.8032 ERPS v2 / STP / RSTP / MSTP
- ▶ Supports Static Routes for Routing Function
- ▶ Supports RADIUS, TACACS+ Authentication Protocol
- ▶ Supports QoS, LACP Bandwidth Control
- ▶ Supports VLAN, SNMP v1/v2c/v3, ACL, IP Source Guard for Ethernet Security
- ▶ PoE Ping Alarm Function for PoE Ports Power Recycle
- ▶ Redundant Power Inputs Design
- ▶ Operating Temperature Range
 - STD: -10°C to 65°C, EOT: -40°C to 70°C
- ▶ 5-Year Warranty

INTRODUCTION

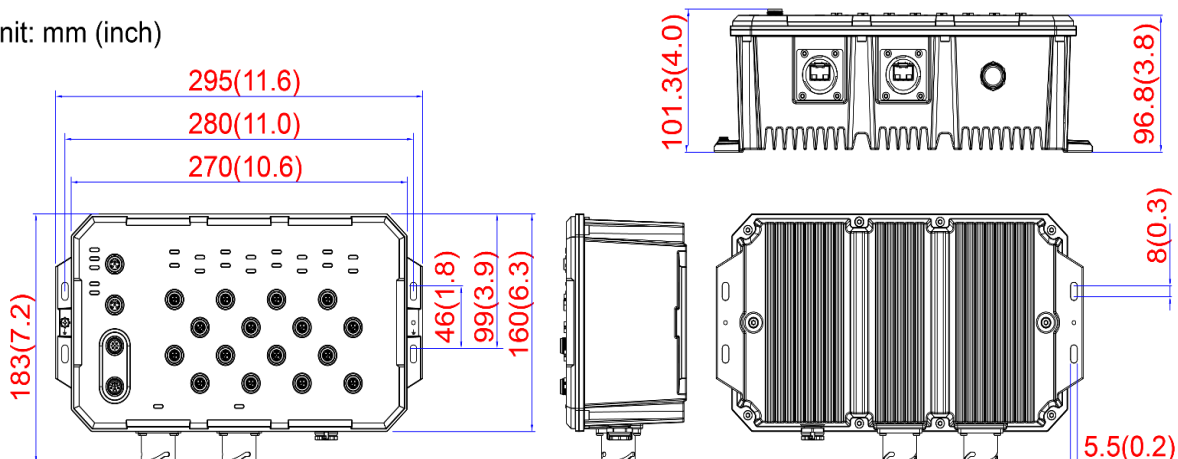
Antaira Technologies' LMP-1802G-M12-10G-SFP-67-110 Series is an 18-port managed gigabit Ethernet switch, which provides 16*10/100/1000 Base-T(X) with IEEE 802.3 af/at PoE compliant and 2*1G/10G fiber slots. LMP-1802G-M12-10G-SFP-67-110 Series is fully-manageable light layer 3 Ethernet switch series and supports power inputs redundancy. The LMP-1802G-M12-10G-SFP-67-110 Series offers standardized network redundancy ITU-T G.8032 ERPS v2 (Ethernet Ring Protection Switch) protocol, providing <50ms recovery time to the network.

The LMP-1802G-M12-10G-SFP-67-110 Series provides comprehensive network security and management capability by supporting multi-user accounts, IGMP, GVRP, VLAN, QoS, SNMP, RADIUS, TACACS+, Aggregation (Static, LACP), SSH, SSL, IP source guard to create a highly-secured network environment. For power saving purposes, assuring PD priority, and enhancing security level of the network, the LMP-1802G-M12-10G-SFP-67-110 Series also supports PoE scheduling and PoE output limit function to set up PoE output duration and wattage at will.

The LMP-1802G-M12-10G-SFP-67-110 Series is an M12 IP67 PoE+ industrial gigabit Ethernet switch that meets the high-reliability requirements required in industrial applications. Its M12 connectors ensure a tight and robust connection guarantees reliable operation on applications subject to high vibration and shock in dust, liquid, or gas-laden environments. It can operate under the standard temperature range from -10°C to 65°C or extended temperature range from -40°C to 70°C, useful in almost any harsh environment.

DIMENSIONS

Unit: mm (inch)



SPECIFICATIONS

Technology		Protection	
L2 Switching	Port/MAC/Protocol/IP Subnet-based VLAN, GARP/GVRP, Loop Guard, Link Aggregation static/LACP, BPDU guard, Error disable recovery, IGMP snooping v2/v3, MLD snooping v1/v2, IGMP filtering, IPMC throttling / filtering leave proxy, DHCP snooping, G.8032 v1/v2	Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000Base-T: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
	L3 Switching		Optical Cable
QoS	DHCP option82, static routes 802.1p Queueing, Input priority mapping, Storm control for Unicast/Multicast/Broadcast, Port/Queue/ACL policer, Port egress shaper, Queue egress shaper, DiffServ (DSCP), Tag remarking, Scheduler mode	Mechanical Characteristics	
	Power Saving	Housing	Metal, IP67 rated
Network Redundancy	ActiPHY, PerfectReach, IEEE 802.3az EEE power management	Dimensions	183 x 295 x 101.3 mm (W x H x D)
	STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)	Weight	Unit: 9.61 lbs. Shipping: 11.38 lbs.
Configuration	Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3	Mounting	Wall mounting
System / Diagnostics	Dual Image Protection, PING, PING6	Power Requirement	
Switch Properties		Input Voltage	24~110VDC Redundant Input
Switch Architecture	Back-Plane (Switching Fabric): 72Gbps	Power Connection	Dual DC power inputs through M12 5-pin K-coded male connector
Priority Queues	8	Relay Contact	24VDC, 1A resistive
Processing Type	Store and Forward	Overload Current Protection	Present (Slow-Blown Fuse)
Flow Control	IEEE 802.3x flow control, back pressure flow control	Reverse Polarity Protection	Present
	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port 14,880,000pps for 10 Gigabit Ethernet Port	PoE Pin Assignment	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A)
Transfer Rate	Memory Buffer	PoE Power Budget	120W
	Jumbo Frame	System Power Consumption	45W
MAC Table Size	32K	Environmental Limits	
VLAN Group	4095	Operating Temperature	STD: -10°C to 65°C
IGMP Group	1024	Temperature	EOT: -40°C to 70°C
Port Interface		Storage Temperature	-40°C to 85°C
Ethernet Port	16*10/100/1000 Base-T(X), 8-pin M12 X-Coded female connectors Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Ambient Relative Humidity	5% to 95%, (non-condensing)
	2*1G/10G SFP Slots	Regulatory Approvals	
RS232 Serial Console	1*RS232 with M12 5-pin A-coded female connector	EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
Configuration Backup	1*USB 2.0 with M12 4-pin A-coded female connector for configuration backup/restore	EMS	CE EN55035/EN61000-6-2: IEC61000-4-2,3,4,5,6,8
DI	1*Digital Input (DI) with M12 5-Pin A-coded male connector: State 0: -30~8VDC / State 1: 10~30VDC, Max. input current: 8mA	Free Fall	IEC60068-2-32
	Bypass Protection	Shock	IEC60068-2-27
LED Indicators	Ethernet Port 8 and Port 16 System: Power 1, Power 2, Master, Ring, Status, PoE Load PoE: On-connected to PD devices Ethernet ports: Speed/Link/Active SFP: Link/Active	Vibration	IEC60068-2-6
		Green	RoHS Compliant
		Certifications	FCC, CE
		Warranty	5 Years

ORDERING INFO

LMP-1802G-M12-10G-SFP-67-110	18-Port Industrial M12 IP67 Waterproof Gigabit PoE+ Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded) (30W/Port) and 2*1G/10G SFP Slots, 24-110VDC Power Input, STD: -10°C to 65°C
LMP-1802G-M12-10G-SFP-67-110-T	18-Port Industrial M12 IP67 Waterproof Gigabit PoE+ Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded) (30W/Port) and 2*1G/10G SFP Slots, 24-110VDC Power Input, EOT: -40°C to 70°C

**Optional Accessories**

CB-M12A5PF-5M	M12 A Code 5P Female to open wire, 5 Meter, Wire: 22 AWG, DI/DO Cable
CB-M12A4PM-USB-5M	M12 A Code 4P Male to USB 2.0 Type-A Female, 5 Meter, Wire: 28 AWG, USB Cable
CB-M12X8PM-RJ45-5M	M12 X Code 8P Male to RJ-45 Socket, 5 Meter, Wire: 26 AWG, Ethernet Cable
CB-M12K5PF-5M	M12 K Code 5P Female to open wire, 5 Meter, Wire: 14 AWG, Power Cable
CB-M12A5PM-DB9-5M	M12 A Code 5P Male to DB9 Female, 5 Meter, Wire: 24 AWG, Console Cable

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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