

LMX-1802G-M12-10G-SFP-67 Series

18-Port Industrial M12 IP67 Waterproof Gigabit Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded) and 2*1G/10G SFP Slots; 24~55VDC Power Input



Features

- ▶ 16-Port 10/100/1000Base-T(X) Ethernet
- ▶ 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
- ▶ Redundant power inputs design
- ▶ Operating Temperature Range
 - STD: -10°C to 65°C, EOT: -40°C to 70°C
- ▶ 5-Year Warranty

INTRODUCTION

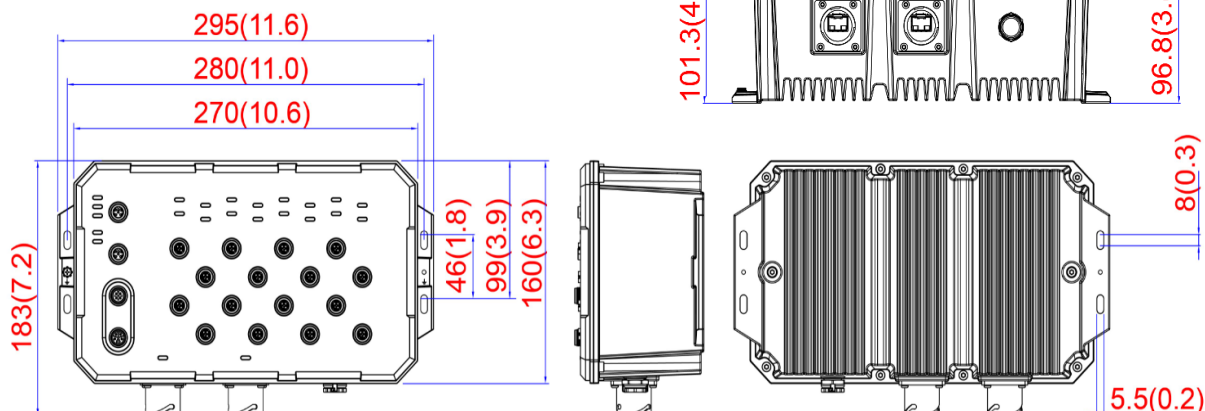
Antaira Technologies' LMX-1802G-M12-10G-SFP-67 Series is a 18-port managed gigabit Ethernet switch, which provides 16*10/100/1000 Base-T(X) and 2*1G/10G fiber slots. LMX-1802G-M12-10G-SFP-67 Series is full manageable light layer 3 Ethernet switch series and supports power inputs redundancy. LMX-1802G-M12-10G-SFP-67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

LMX-1802G-M12-10G-SFP-67 Series provides comprehensive network security and management capability by supporting Multi-user account, IGMP, GVRP, VLAN, QoS, SNMP, RADIUS, TACACS+, Aggregation (Static, LACP), SSH, SSL, IP source guard to create a highly-secured network environment.

LMX-1802G-M12-10G-SFP-67 Series is an M12 IP67 industrial gigabit Ethernet switch that meets the high-reliability requirements demanded by industrial applications. Its M12 connectors ensure a tight and robust connection and it guarantees reliable operation on applications that are subject to high vibration and shock in dust, liquid or gas laden environments. Being able to operate under the standard temperature range from -10°C to 65°C or the extended temperature range from -40°C to 70°C, the LMX-1802G-M12-10G-SFP-67 Series can be installed 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	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	Dimensions	Housing
Network Redundancy	STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)		Weight
	Configuration	Mounting	Power Requirement
System / Diagnostics	Dual Image Protection, PING, PING6		Input Voltage
		Power Connection	
Switch Properties		Relay Contact	
Switch Architecture	Back-Plane (Switching Fabric): 72Gbps	Overload Current Protection	
Priority Queues	8	Reverse Polarity Protection	
Processing Type	Store and forward	System Power Consumption	
Flow Control	IEEE 802.3x flow control, back pressure flow control	Environmental Limits	
Transfer Rate	14,880pps for Ethernet Port	Operating Temperature	STD: -10°C to 65°C
	148,800pps for Fast Ethernet Port		EOT: -40°C to 70°C
Memory Buffer	4Mbits	Storage Temperature	-40°C to 85°C
Jumbo Frame	9.6Kbytes		Ambient Relative Humidity
MAC Table Size	32K	Regulatory Approvals	
VLAN Group	4095	EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
IGMP Group	1024		EMS
Port Interface		Free Fall	IEC60068-2-32
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		Shock
	SFP Port	Vibration	IEC60068-2-27
RS232 Serial Console	1*RS232 with M12 5-pin A-coded female connector		Green
Configuration Backup	1*USB 2.0 with M12 4-pin A-coded female connector for configuration backup/restore	Certifications	RoHS Compliant
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		Warranty
Bypass Protection	Ethernet Port 8 and Port 16		
LED Indicators	System: Power 1, Power 2, Master, Ring, Status		
	Ethernet ports: Speed/Link/Active SFP: Link/Active		

ORDERING INFO

LMX-1802G-M12-10G-SFP-67	18-Port Industrial M12 IP67 Waterproof Gigabit Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded) and 2*1G/10G SFP Slots, 24-55VDC Power Input, STD: -10°C to 65°C
LMX-1802G-M12-10G-SFP-67-T	18-Port Industrial M12 IP67 Waterproof Gigabit Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded) and 2*1G/10G SFP Slots, 24-55VDC 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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