

LMX-1600G-M12-67 Series

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



Features

- ▶ 16-Port 10/100/1000Base-T(X) Ethernet
- ▶ 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

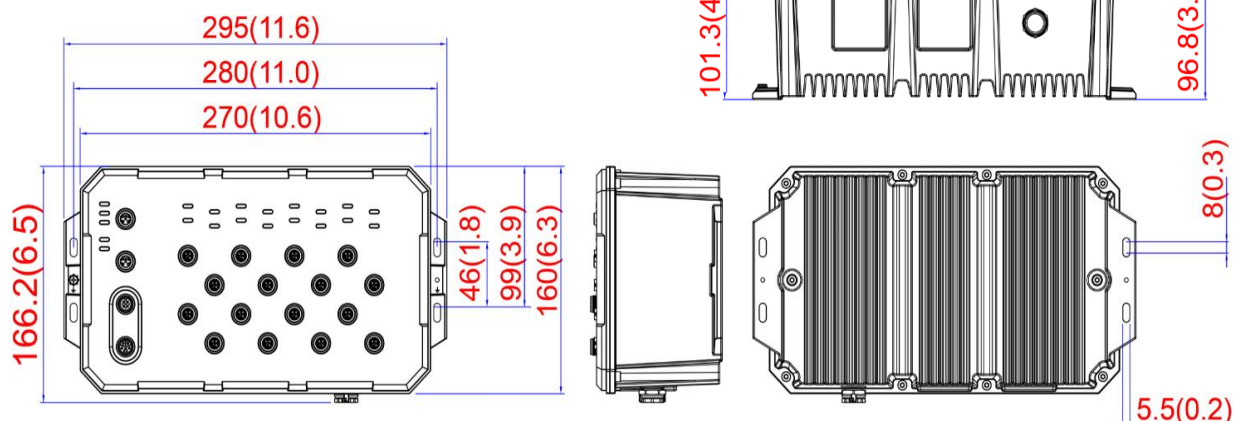
Antaira Technologies' LMX-1600G-M12-67 Series is a 16-port managed gigabit Ethernet switch, which provides 16*10/100/1000 Base-T(X). LMX-1600G-M12-67 Series is full manageable light layer 3 Ethernet switch series and supports power inputs redundancy. LMX-1600G-M12-67 Series offers standardized network redundancy ITU-T G.8032 ERPS v2 (Ethernet Ring Protection Switch) protocol, providing <50ms recovery time to the network.

LMX-1600G-M12-67 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. For power saving purpose, assuring PD priority and enhancing security level of the network.

LMX-1600G-M12-67 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-1600G-M12-67 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	DHCP option82, static routes	Mechanical Characteristics	
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	Housing	Metal, IP67 protection
Power Saving	ActiPHY, PerfectReach, IEEE 802.3az EEE power management	Dimensions	166.2 x 295 x 101.3 mm (W x H x D)
Network Redundancy	STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)	Weight	Unit: 8.89 lbs. Shipping: 10.49 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	24~55VDC Redundant Input
Switch Architecture	Back-Plane (Switching Fabric): 32Gbps	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
Flow Control	IEEE 802.3x flow control, back pressure flow control	Reverse Polarity Protection	Present
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	System Power Consumption	28W
Memory Buffer	4Mbits	Environmental Limits	
Jumbo Frame	9.6Kbytes	Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 70°C
MAC Table Size	32K	Storage Temperature	-40°C to 85°C
VLAN Group	4095	Ambient Relative Humidity	5% to 95%, (non-condensing)
IGMP Group	1024	Regulatory Approvals	
Port Interface		EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
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	EMS	CE EN55035/EN61000-6-2: IEC61000-4-2,3,4,5,6,8
RS232 Serial Console	1*RS232 with M12 5-pin A-coded female connector	Free Fall Shock	IEC60068-2-32 IEC60068-2-27
Configuration Backup	1*USB 2.0 with M12 4-pin A-coded female connector for configuration backup/restore	Vibration	IEC60068-2-6
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	Green	RoHS Compliant
Bypass Protection	Ethernet Port 8 and Port 16	Certifications	FCC, CE
LED Indicators	System: Power 1, Power 2, Master, Ring, Status Ethernet ports: Speed/Link/Active	Warranty	5 Years

ORDERING INFO

LMX-1600G-M12-67	16-Port Industrial M12 IP67 Waterproof Gigabit Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded), 24-55VDC Power Input, STD: -10°C to 65°C
LMX-1600G-M12-67-T	16-Port Industrial M12 IP67 Waterproof Gigabit Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded), 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

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