

LMX-1202G-SFP Series

12-Port Industrial Gigabit Light Layer 3 Managed Ethernet Switch, with 10*10/100/1000Tx and 2*100/1000 SFP Slots



Features

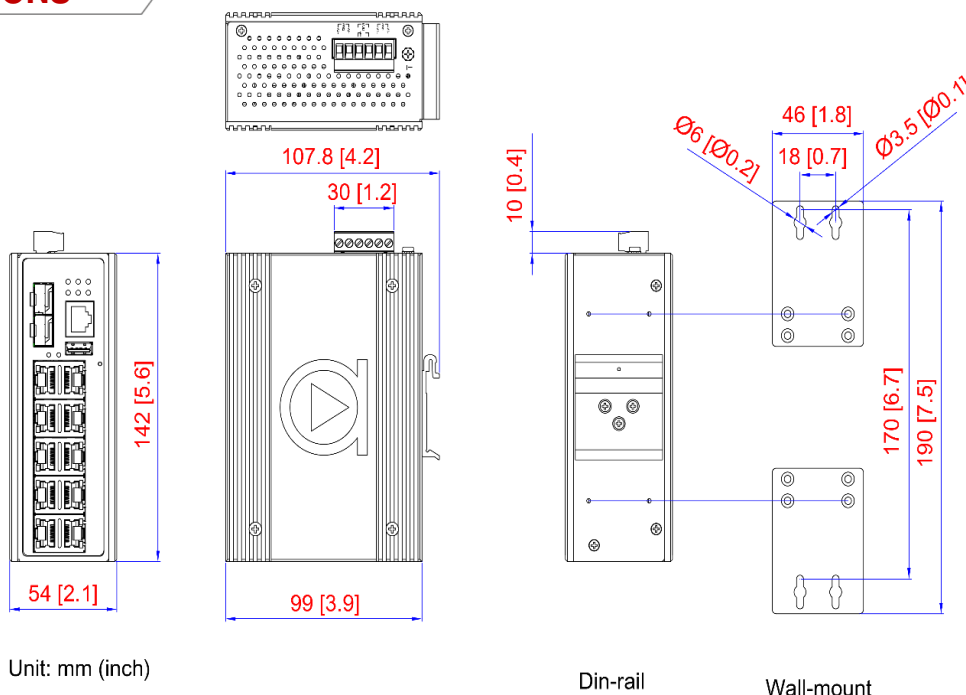
- Supports 10*10/100/1000Tx Gigabit Ethernet Ports and 2*100/1000 SFP Slots
- Network Redundancy Support: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- Configuration: Web Console, Telnet, CLI Command
- Supports IGMP v1/v2/v3, up to 1024 Groups
- Supports QoS (IEEE802.1p) and CoS/ToS
- Supports IEEE802.1Q VLAN, SNMP v1/v2c/v3
- Power Input: 12~48VDC in 6-Pin Terminal Block
- Reverse Polarity Protection
- IP30 Protection
- DIN-Rail or Wall Mountable
- Operating Temperature Range
 - STD: -10°C to 65°C, EOT: -40°C to 75°C
- 5-Year Warranty

INTRODUCTION

Antaira Technologies' LMX-1202G-SFP series is a 12-port industrial managed gigabit managed Ethernet switch embedded with 10*10/100/1000Tx Ethernet ports and 2*100/1000Fx fiber connection. The LMX-1202G-SFP series is a fully manageable light layer 3 Ethernet switch that is pre-loaded with a user-friendly web management console design. It supports the ring network redundancy function using the market's open standard ITU-T G.8032 Ethernet Ring Protection Switch (ERPS) protocol that has a <50ms network recovery time. The advanced network filtering and security functions, such as IGMP, VLAN, QoS, SNMP, RMON, Modbus TCP, and 802.1X/HTTPS/SSH/SSL increase determinism and improve network management for remote SCADA systems or control networks.

The LMX-1202G-SFP series is IP30 rated and DIN-rail mountable. There are also two wide operating temperature models for either a standard temperature range (STD: -10°C to 65°C) or an extended temperature range (EOT: -40°C to 75°C). It also provides high EFT and ESD protection for industrial networking applications, such as power/utility, water wastewater, oil/gas/mining, factory automation, security surveillance, ITS and any other outdoor or harsh environment.

DIMENSIONS



SPECIFICATIONS

Technology	
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, NAT, DHCP per port, SMTP, Quick ERPS, TLS
	DHCP option82, static routes
L3 Switching	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
QoS	ActiPHY, PerfectReach, IEEE 802.3az EEE power management
Power Saving	STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)
Network Redundancy	Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3
Configuration	Dual Image Protection, PING, PING6
System / Diagnostics	
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 24.0Gbps IPv4/IPv6, SNMP v1/v2c/v3, LLDP, LLDP-MED, HTTP, HTTPS, SSHv2 telnet, DHCP client, DHCPv6 client, DHCP server, Port Mirror, DNS client/proxy, IP based Access Filter, ICMPv6, syslog, Time Zone / Daylight Saving, NTP client, RMON, sFlow, Loop detection, Console Port, Power Lost Warning, Relay Trigger
Protocols	Store and Forward
Processing Type	IEEE 802.3x flow control, back pressure flow control
Flow Control	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet 1,488,000pps for Gigabit Ethernet
Transfer Rate	4Mbits
Memory Buffer	9.6Kbytes
Jumbo Frame	8K
MAC Table Size	4095
VLAN Group	1024
IGMP Group	
Port Interface	
Ethernet Port	10*10/100/1000Base-Tx Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
SFP Port	2*100/1000 SFP slots
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, 115.2Kbps, 8, N, 1
LED Indicators	System: Power 1, Power 2, Fault, Master, and Ring
	Ethernet Ports: Speed/Link/Active Fixed Fiber: Link/Active

Protection		
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-TX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)	
	Mechanical Characteristics	
	Housing	Metal, IP30 protection
	Dimensions	54 x 142 x 99 mm (W x H x D)
Weight	Unit: 1.98 lbs Shipping: 2.87 lbs	
Mounting	DIN-Rail mounting, Wall mounting	
Power Requirement		
Input Voltage	12~48VDC Redundant Input	
Power Connection	1 removable 6-contact terminal block	
Relay Contact	24VDC, 1A resistive	
Overload Current Protection	Present	
Reverse Polarity Protection	Present	
System Power Consumption	15W	
Environmental Limits		
Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°C	
Storage Temperature	-40°C to 85°C	
Ambient Relative Humidity	5% to 95%, (non-condensing)	
Regulatory Approvals		
EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A	
EMS	CE EN55024/EN61000-6-2 Class A, IEC61000-4-2,3,4,5,6,8	
Free Fall	IEC60068-2-32	
Shock	IEC60068-2-27	
Vibration	IEC60068-2-6	
Green	RoHS Compliant	
Certifications	FCC, CE, UL 61010-1, 61010-2-201, ISA 12.12.01 Class 1 Division 2, ATEX II 3G Ex nA nC IIC T4 Gc, NEMA TS2	
Warranty	5 Years	

ORDERING INFO

LMX-1202G-SFP	12-Port Industrial Gigabit Light Layer 3 Managed Ethernet Switch, with 10*10/100/1000Tx and 2*100/1000 SFP Slots
LMX-1202G-SFP-T	12-Port Industrial Gigabit Light Layer 3 Managed Ethernet Switch, with 10*10/100/1000Tx and 2*100/1000 SFP Slots; EOT: -40°C to 75°C

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.

US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660