

LMX-1202M-SFP Series

12-Port Industrial Gigabit Managed Ethernet Switch
w/8*10/100Tx, 2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots



Features

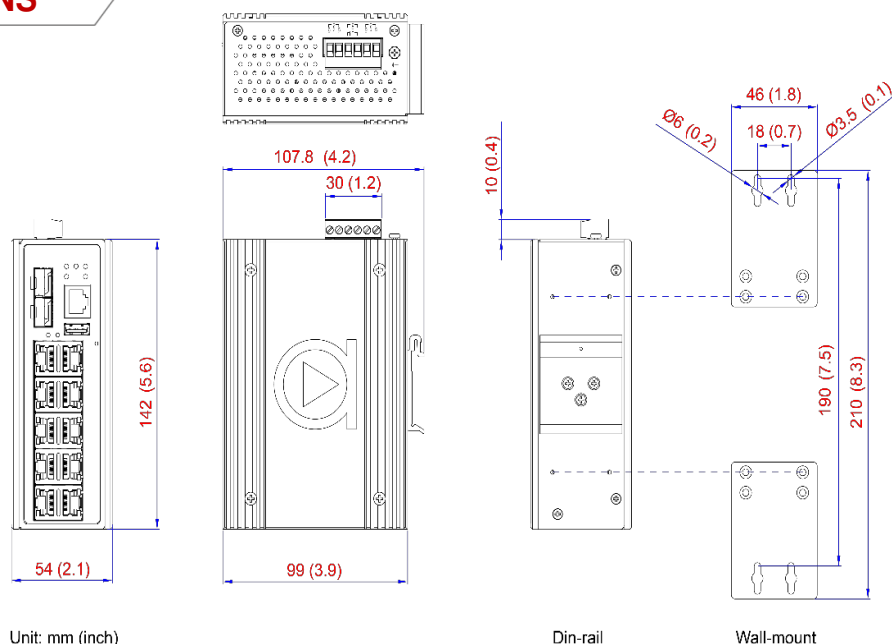
- ▶ Supports 8*10/100Tx Fast Ethernet Ports, 2*Gigabit 10/100/1000Tx RJ45 and 2*100/1000 SFP Slots for Fiber Connection
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ IGMP v1/v2/v3 for Multicast Traffic Filtering
- ▶ QoS (IEEE802.1p/1Q), CoS/ToS to Increase Determinism
- ▶ IEEE802.1Q VLAN for Easy Network Planning
- ▶ Enhanced Network Security with IEEE802.1X, SNMP v1/v2c/v3, HTTPS, and SSH/SSL
- ▶ Auto Warning by Exception through E-mail, Relay Output
- ▶ Support RMON Function for Efficient Network Monitoring
- ▶ Support Port Mirroring for Online Diagnostic
- ▶ 5-Year Warranty

INTRODUCTION

Antaira's LMX-1202M-SFP series is a 12-port industrial gigabit managed Ethernet switch that is embedded with 8*10/100Tx Fast Ethernet ports, 2*10/100/1000Tx RJ45, and 2*100/1000 dual rate SFP slots. This model is a fully manageable industrial Ethernet switch pre-loaded with standard Layer 2 network management software. The RJ45 ports provide flexibility to users for either 10/100 or 1000Tx Ethernet connections. The plug-in SFP modules provide 100MB or Gigabit Fiber connection where distance, EMI, or security is a concern.

The LMX-1202M-SFP series is compact, IP30 rated, and DIN-rail or wall mountable. There are also two wide operating temperature models for either a standard temperature range (STD: -10°C to 70°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		Protection	
Standards	IEEE 802.3 10Tx Ethernet	Overload Current	Present
	IEEE 802.3u 100Tx Fast Ethernet	Power Reverse Polarity	Present
	IEEE 802.3ab 1000Tx Gigabit Ethernet	CPU Watchdog	Present
	IEEE 802.3z Gigabit Fiber	Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable. EIA/TIA-568 100-ohm (100m)
	IEEE 802.3x Flow Control for Full Duplex		1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
	IEEE 802.3ad for Port Trunk with LACP		
	IEEE 802.1d STP (Spanning Tree Protocol)		
	IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)	Mechanical Characteristics	
	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)	LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red)
	ITU-T G.8032/Y.1344 ERPS (Ethernet Ring Protection Switch) Protocol	Housing	Metal IP30 rated
Protocol	IEEE 802.1Q for VLAN Tagging	Dimension	54 x 142 x 99 mm
	IEEE 802.1x for Network Authentication	Weight	Unit: 2.2 lbs.; Shipping: 3.3 lbs.
	IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization	Mounting	DIN-Rail; Wall-Mount (optional)
	IGMPv1/v2/v3, SNMPv1/v2c/v3, TFTP, SMTP, RMON, HTTP, HTTPS, Telnet, Syslog, DHCP Option 66/67/82, SSH/SSL, Modbus/TCP, LLDP, IPv4/IPv6, NAT, DHCP per port, SMTP, Quick ERPS, TLS	Power Requirement	
		Input Voltage	12~48VDC Redundant Input
Switch Properties		Power Connection	1 removable 6-contact terminal block
Switch Architecture	Back-Plane (Switching Fabric): 9.6Gbps	Power Consumption	15 Watts
Configuration	Web Console, Telnet, CLI	Environmental Limits	
Processing Type	Store and Forward	Operating Temperature	STD: -10 to 70°C EOT: -40 to 75°C
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Storage Temperature	-40°C ~ 85°C
Transfer Rate	14,880pps for 10Base-T Ethernet	Ambient Relative Humidity	5 to 95%, (non-condensing)
	148,800pps for 100Base-T Fast Ethernet	Regulatory Approvals	
	1,488,000pps for Gigabit Ethernet	EMI	FCC Class A
Packet Buffer	4 Mbits	EMS	IEC61000-4-2,3,4,5,6,8 IEC61000-6-2,4
MAC Table Size	8K	Free Fall	IEC60068-2-32
VLAN Group	1 ~ 4094	Shock	IEC60068-2-27
IGMP Group	1024 Groups	Vibration	IEC60068-2-6
Port Interface		Green	RoHS Compliant
Ethernet RJ45 Port	8*10/100BaseTx auto negotiation, Full/Half duplex, and auto MDI/MDI-X connection	Certifications	FCC, CE, UL61010-1, 61010-2-201, NEMA TS2
Gigabit Ports	2*RJ45 w/10/100/1000Tx and 2*100/1000 SFP Slots For Fiber	Warranty	5 Years
Wavelength	Refer to SFP Modules		
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, 115.2Kbps, 8,N,1		
Configuration Backup	1*USB 2.0		

ORDERING INFO

LMX-1202M-SFP	12-Port Industrial Gigabit Managed Ethernet Switch with 8*10/100Tx, 2*10/100/1000Tx RJ45 Ports, and 2*100/1000 SFP Slots
LMX-1202M-SFP-T	12-Port Industrial Gigabit Managed Ethernet Switch with 8*10/100Tx, 2*10/100/1000Tx RJ45 Ports, and 2*100/1000 SFP Slots; EOT: -40°C to 75°C
Optional Accessories	
SFP-M-T	1 Gigabit Fiber SFP Transceiver, Multi-Mode 550M / LC / 850nm, -40°C~85°C
SFP-S10-T	1 Gigabit Fiber SFP Transceiver, Single Mode 10KM / LC / 1310nm, -40°C~85°C
DIN-RACK-2U	Din-Rail to 19" Rack Mount Adapter for all Din-Rail Mountable Products, 2U Height

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