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

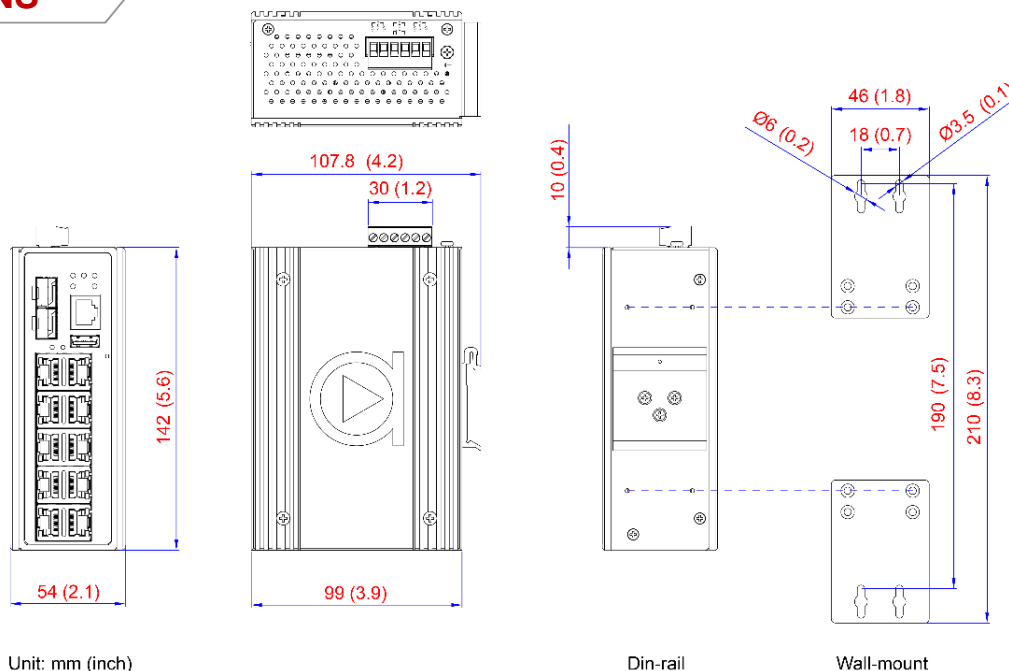## Features

► 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

107.8 (4.2)
30 (1.2)
142 (5.6)
54 (2.1)
99 (3.9)
10 (0.4)
46 (1.8)
Ø6 (0.2)
18 (0.7)
Ø3.5 (0.1)
190 (7.5)
210 (8.3)

Unit: mm (inch)

Din-rail   Wall-mount

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3z Gigabit Fiber IEEE 802.3x Flow Control for Full Duplex IEEE 802.3ad for Port Trunk with LACP IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) ITU-T G.8032/Y.1344 ERPS (Ethernet Ring Protection Switch) Protocol IEEE 802.1Q for VLAN Tagging IEEE 802.1x for Network Authentication IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization
Protocol	IGMPv1/v2/v3, SNMPv1/v2c/v3, TFTP, SNTP, SMTP, RMON, HTTP, HTTPS, Telnet, Syslog, DHCP Option 66/67/82, SSH/SSL, Modbus/TCP, LLDP, IPv4/IPv6

Switch Properties

Switch Architecture	Back-Plane (Switching Fabric): 9.6Gbps
Configuration	Web Console, Telnet, CLI
Processing Type	Store and Forward
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
Transfer Rate	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet 1,488,000pps for Gigabit Ethernet
Packet Buffer	4 Mbits
MAC Table Size	8K
VLAN Group	1 ~ 4094
IGMP Group	1024 Groups

Port Interface

Ethernet RJ45 Port	8*10/100BaseTx auto negotiation, Full/Half duplex, and auto MDI/MDI-X connection
Gigabit Ports	2*RJ45 w/10/100/1000Tx and 2*100/1000 SFP Slots For Fiber
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

Protection

Overload Current	Present
Power Reverse Polarity	Present
CPU Watchdog	Present
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) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

Mechanical Characteristics

LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red)
Housing	Metal IP30 rated
Dimension	54 x 142 x 99 mm
Weight	Unit: 2.2 lbs.; Shipping: 3.3 lbs.
Mounting	DIN-Rail; Wall-Mount (optional)

Power Requirement

Input Voltage	12~48VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Power Consumption	15 Watts

Environmental Limits

Operating Temperature	STD: -10 to 70°C EOT: -40 to 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Class A
EMS	IEC61000-4-2,3,4,5,6,8 IEC61000-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL61010-1, 61010-2-201, ISA 12.12.01 (UL C1D2) NEMA TS2
Warranty	5 Years

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