LMX-2602G-SFP Series

26-Port Industrial Gigabit Managed Ethernet Switch, w/24*10/100/1000Tx RJ45 and 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slots)

Features

- ► **24-port 10/100/1000Tx Ethernet**
- ► **2*Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slots)**
- ► **Configuration: http, https, CLI Command, Telnet, SNMP, SSH**
- ► **Network redundancy support: G.8032 ERPS v2/STP/RSTP/MSTP**
- ► **System Power Input: 90~264VAC**
- ► **Built-in Relay Output Warning for Power Failure**
- ► **IP40 Rugged Metal Case Design**
- ► **19" Rack-Mounting Installation Design**
- ► **Operating Temperature Range - STD: -10°C to 65°C, EOT: -40°C to 75°C**
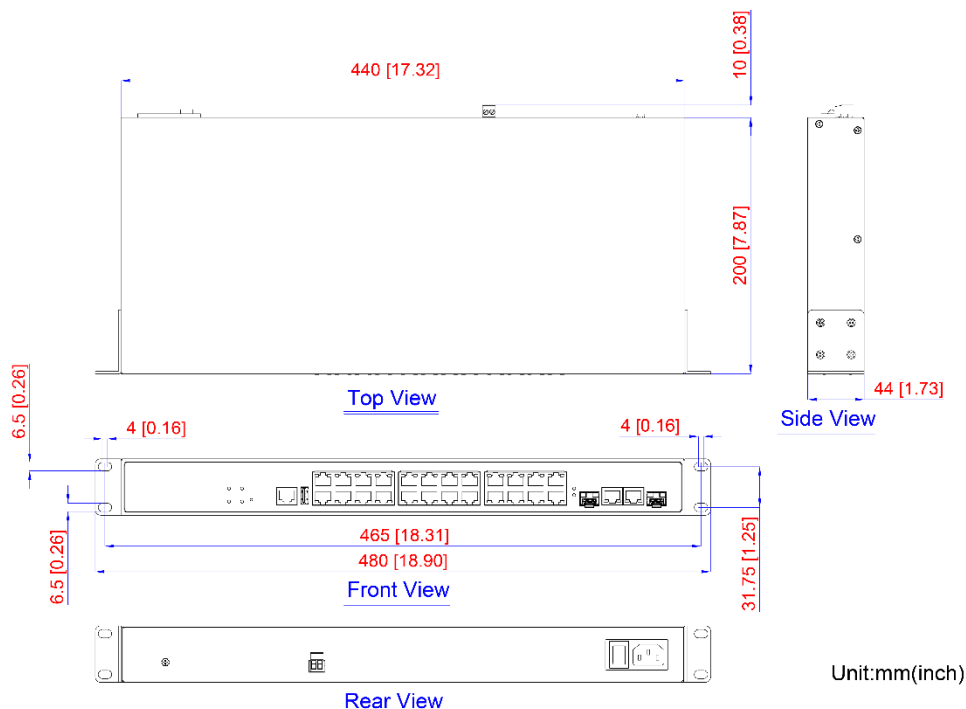- ► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LMX-2602G-SFP series is a 26-port industrial gigabit managed Ethernet switch featuring 24*10/100/1000Tx Ethernet ports and also provides 2*gigabit combo ports with 2*10/100/1000Tx RJ45 and 2*100/1000Fx SFP slots for fiber or twisted pair connections. This product is ideal for applications that demand high density of port connectivity, wide bandwidth and long-distance communication.

The LMX-2602G-SFP series is a fully manageable Layer 2 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 ERPS (Ethernet Ring Protection Switch) protocol that has a <50ms network recovery time. The advanced network filtering and security functions, such as IGMP, VLAN, QoS, SNMP, port lock, RMON, Modbus TCP, and 802.1X/HTTPS/SSH/SSL increase determinism and improve network management for remote SCADA systems or control networks.

The LMX-2602G-SFP series is designed with IP40 rated 1U 19" rackmount. Supporting the two wide operating temperature models with the standard version in -10° to 65˚C or extended version in -40° to 75˚C also makes it the best solution for any harsh and extreme ambient weather environment applications, such as power/utility, transportation, water wastewater treatment plant, oil/gas, and security surveillance system industries.

DIMENSIONS

440 [17.32]
10 [0.38]
200 [7.87]

Top View

44 [1.73]

Side View

6.5 [0.26]
4 [0.16]
4 [0.16]
465 [18.31]
480 [18.90]
6.5 [0.26]
31.75 [1.25]

Front View

Rear View

Unit:mm(inch)

SPECIFICATIONS

Technology

Standards	IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3x Flow Control 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 v1/v2 (Ethernet Ring Protection Switch) IEEE 802.1Q Virtual Local Area Network (VLAN) IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization IEEE 802.1X Network Authentication IEEE 802.1AB Link Layer Discovery Protocol (LLDP) IEEE 802.3ad Link Aggregation (LACP)

Switch Properties

Switch Architecture	Back-Plane (Switching Fabric): 52.0Gbps
Protocols	CSMA/CD, IGMP v1/v2, SNMP v1/v2c/v3, TFTP, SNTP, RARP, RMON, Syslog
Processing Type	Store and Forward
Flow Control	IEEE 802.3x flow control, back pressure flow control
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Packet Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	8K

Port Interface

Ethernet Port	24*10/100/1000BaseT(X) and 2*10/100/1000BaseT(X) with combo port Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
Gigabit Combo Port (Copper/SFP)	2*RJ45 Ports w/10/100/1000Tx Ethernet and 2*100/1000 SFP Slot
Wavelength	Depends on SFP modules
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)

Protection

Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present

Mechanical Characteristics

Housing	Metal, IP40 Protection
Dimensions	440 x 200 x 44 mm
Weight	Unit: 6.17lbs Shipping: 7.94lbs
Mounting	DIN-Rail, Wall-mount (Optional)

Power Requirement

Input Voltage	90~264VAC Power Input
Power Connection	AC Socket
Power Consumption	Max 24W full loading

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 EN61000-6-4 Class A
EMS	CE EN61000-6-2 Class A IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) IEC61000-4-6 (CS) IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE
Warranty	5 Years

ORDERING INFO

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LMX-2602G-SFP-T	26-Port Industrial Gigabit Managed Ethernet Switch, w/24*10/100/1000Tx RJ45 and 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slots); EOT: -40°C to 75°C