

LMP-2602G-SFP Series

26-Port Industrial PoE+ Gigabit Managed Ethernet Switch, w/24*10/100/1000Tx RJ45 (30W/Port) and 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slots)



Features

- ▶ 24-port 10/100/1000Tx Ethernet with IEEE 802.3at Compliant PoE+
- ▶ 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slots)
- ▶ System Power Input: 48~55VDC
- ▶ Built-in Relay Output Warning for Power Failure
- ▶ IP40 Rugged Metal Case Design
- ▶ Rack Mounting
- ▶ Operating Temperature Range - STD: -10°C to 65°C, EOT: -40°C to 75°C
- ▶ 5-Year Warranty

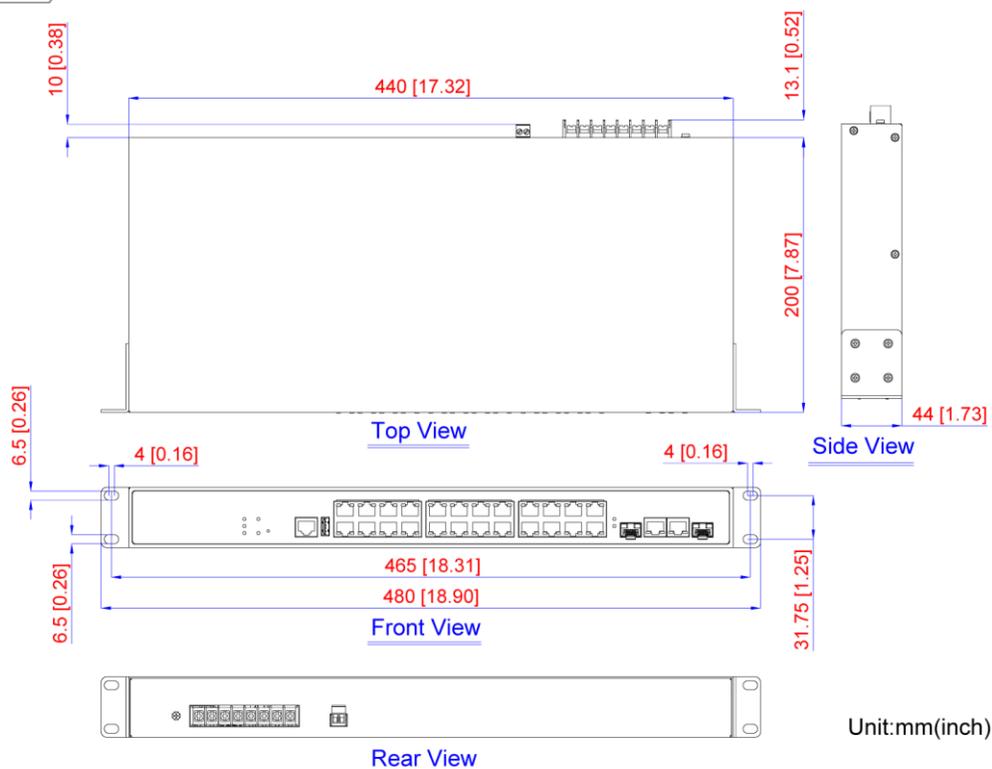
INTRODUCTION

Antaira Technologies' LMP-2602G-SFP series is a 26-port industrial gigabit PoE+ managed Ethernet switch featuring 24*10/100/1000Tx Ethernet ports with IEEE 802.3at high power PoE (30W/Port) and also provides 2*gigabit combo ports with 2*10/100/1000Tx RJ45 and 2*100/1000Tx SFP slots for fiber or twisted pair connections. This makes the product ideal for applications that demand high density of PoE+ port connectivity, wide bandwidth, and long-distance communication.

The LMP-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 LMP-2602G-SFP series is designed with IP40 rated 1U 19" rackmount and provides high EFT and ESD protection to prevent any unregulated voltage. 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



SPECIFICATIONS

Technology		IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3af/at Power over Ethernet 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) 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)
Standards		
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	26*10/100/1000BaseT(X) with 24*PoE-PSE (30W/Port) Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X	
PoE Pin Out	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI/MDIX Alternative A	
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	48~55VDC (52~55VDC for IEEE802.3at PoE/PSE), Redundant Input	
Power Connection	8-Pin Terminal Block	
Power Consumption	Max 24W full loading	
Max PoE Power Budget	720 Watts	
Relay Contact	24VDC, 1A resistive	
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 EN55024/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)	
EMS		
Free Fall	IEC60068-2-32	
Shock	IEC60068-2-27	
Vibration	IEC60068-2-6	
Green	RoHS Compliant	
Certifications	FCC, CE, UL 61010-1, 2-201	
Warranty	5 Years	

ORDERING INFO

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LMP-2602G-SFP-T	26-Port Industrial PoE+ Gigabit Managed Ethernet Switch, w/24*10/100/1000Tx RJ45 (30W/Port) and 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slots); EOT: -40°C to 75°C