

# 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

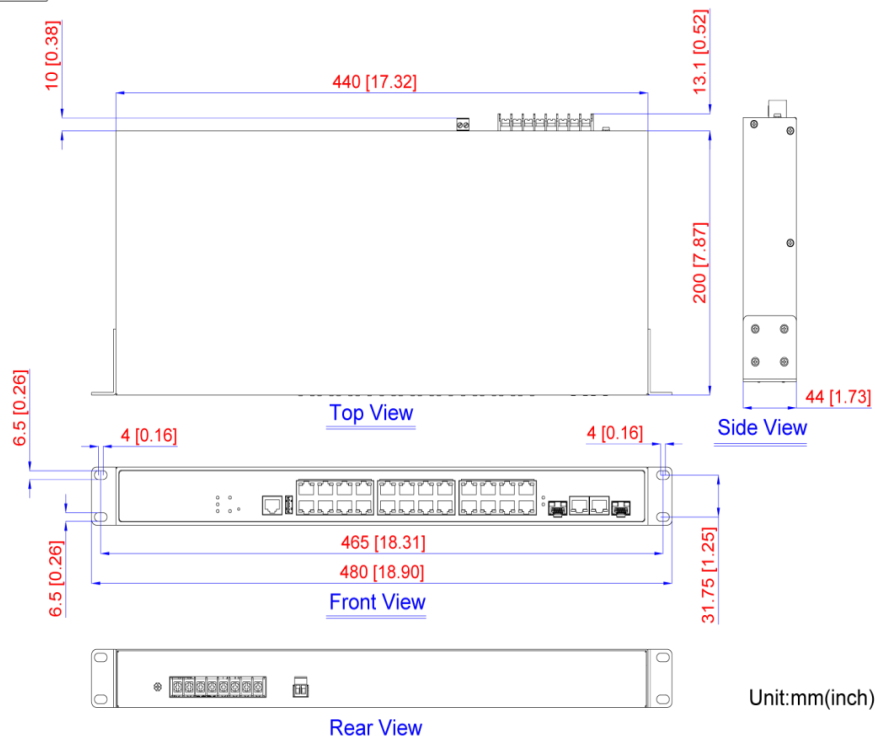
## INTRODUCTION

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\*100/1000Fx 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

<b>Technology</b>		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)
<b>Standards</b>		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)
<b>Switch Properties</b>		
<b>Switch Architecture</b>	Back-Plane (Switching Fabric): 52.0Gbps CSMA/CD, IGMP v1/v2, SNMP v1/v2c/v3, TFTP, SNMP, RARP, RMON, Syslog, NAT, DHCP per port, SMTP, Quick ERPS, TLS	
<b>Protocols</b>		
<b>Processing Type</b>	Store and Forward	
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control	
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	
<b>Packet Buffer</b>	4Mbits	
<b>Jumbo Frame</b>	9.6Kbytes	
<b>MAC Table Size</b>	8K	
<b>Port Interface</b>		
<b>Ethernet Port</b>	26*10/100/1000BaseT(X) with 24*PoE-PSE (30W/Port) Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X	
<b>PoE Pin Out</b>	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI/MDIX Alternative A	
<b>Gigabit Combo Port (Copper/SFP)</b>	2*RJ45 Ports w/10/100/1000Tx Ethernet and 2*100/1000 SFP Slot	
<b>Wavelength</b>	Depends on SFP modules	
<b>Network Cable</b>	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)	
<b>Protection</b>		
<b>Overload Current Protection</b>	Present (Slow-Blow Fuse)	
<b>Reverse Polarity Protection</b>	Present	
<b>Mechanical Characteristics</b>		
<b>Housing</b>	Metal, IP40 Protection	
<b>Dimensions</b>	440 x 200 x 44 mm	
<b>Weight</b>	Unit: 6.17lbs Shipping: 7.94lbs	
<b>Mounting</b>	DIN-Rail, Wall-mount (Optional)	
<b>Power Requirement</b>		
<b>Input Voltage</b>	48~55VDC (52~55VDC for IEEE802.3at PoE/PSE), Redundant Input	
<b>Power Connection</b>	8-Pin Terminal Block	
<b>Power Consumption</b>	Max 24W full loading	
<b>Max PoE Power Budget</b>	720 Watts	
<b>Relay Contact</b>	24VDC, 1A resistive	
<b>Environmental Limits</b>		
<b>Operating Temperature</b>	STD: -10°C to 65°C EOT: -40°C to 75°C	
<b>Storage Temperature</b>	-40°C to 85°C	
<b>Ambient Relative Humidity</b>	5% to 95%, (non-condensing)	
<b>Regulatory Approvals</b>		
<b>EMI</b>	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)	
<b>EMS</b>		
<b>Free Fall</b>	IEC60068-2-32	
<b>Shock</b>	IEC60068-2-27	
<b>Vibration</b>	IEC60068-2-6	
<b>Green</b>	RoHS Compliant	
<b>Certifications</b>	FCC, CE, UL 61010-1, 2-201	
<b>Warranty</b>	5 Years	

## ORDERING INFO

<b>LMP-2602G-SFP</b>	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)
<b>LMP-2602G-SFP-T</b>	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

## 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.

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