

# LMP-2602G-SFP Series

26-Port Industrial 1U 19 Inch Rackmount Gigabit PoE+ Managed Ethernet Switch, 24\*10/100/1000TX (30W/Port) and 2\*Gigabit Combo Ports (2\*10/100/1000Tx RJ45 and 2\*100/1000 SFP Slots); 48~55VDC Power Input



## FEATURES

- ▶ Support 24\*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port
- ▶ Support 2\*Gigabit Combo Ports (2\*10/100/1000Tx RJ45 and 2\*100/1000 SFP Slots)
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Store-and-Forward Switching Architecture
- ▶ Redundant Power Input: 48~55VDC
- ▶ Built-in Relay Output Warning for Power Failure
- ▶ Support Power Inputs Reverse Polarity Protection
- ▶ IP40 Protection
- ▶ 1U 19" Rack Mountable
- ▶ Operating Temperature - STD: -10°C to 65°C, EOT: -40°C to 75°C
- ▶ 5-Year Warranty

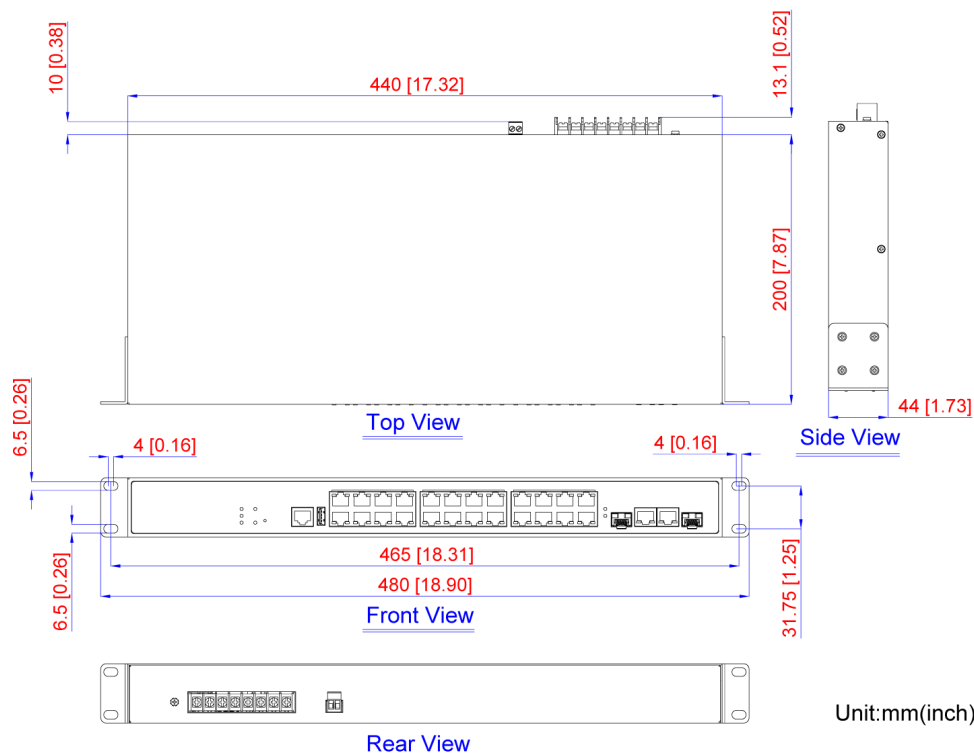


## INTRODUCTION

Antaira Technologies' LMP-2602G-SFP Series is a 26-port industrial Gigabit PoE+ Managed Ethernet switch embedded with 24\*10/100/1000Tx Ethernet ports that support IEEE 802.3af/at for a maximum of 30W/port and two gigabit combo ports with 2\*10/100/1000 RJ45 ports and 2\*100/1000 dual rate SFP slot for fiber connection.

The LMP-2602G-SFP Series is IP40 rated and 1U 19" rack mountable. There are also two wide-operating temperature models for either a standard temperature range (STD: -10°C to 65°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

IEEE 802.3 10Base-T Ethernet  
 IEEE 802.3u 100Base-TX Fast Ethernet  
 IEEE 802.3ab 1000Base-T Gigabit Ethernet  
 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)  
 IEEE 802.3ad Link Aggregation (LACP)

### Standards

### SWITCH PROPERTIES

|                            |   |
|----------------------------|---|
| <b>Switch Architecture</b> | Switching Fabric (Back-Plane): 52Gbps   |
| <b>Processing Type</b>     | Store and Forward   |
| <b>Flow Control</b>        | IEEE 802.3x flow control, back pressure flow control  |
| <b>Protocol</b>            | CSMA/CD, IGMP v1/v2, SNMP v1/v2c/v3, TFTP, SNT, RARP, RMON, Syslog                          |
| <b>Transfer Rate</b>       | 14,880pps for Ethernet<br>148,800pps for Fast Ethernet<br>1,488,000pps for Gigabit Ethernet |
| <b>MAC Table Size</b>      | 8K  |
| <b>Jumbo Frame</b>         | 9.6Kbytes   |
| <b>Memory Buffer</b>       | 4Mbits  |

### PORT INTERFACE

|                           |   |
|---------------------------|---|
| <b>Ethernet Port</b>      | 24*10/100/1000Base-TX (30W/Port)<br>Auto-negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection                                |
| <b>Gigabit Combo Port</b> | 2*10/100/1000Tx RJ45 Ports and 2*100/1000 SFP Slots   |
| <b>LED Indicators</b>     | System: Power 1, Power 2, Master, Ring, Fault<br>Ethernet ports: Speed/Link/Active<br>PoE: On-connected to PD devices<br>SFP: Speed/Link/Active |
| <b>Wavelength</b>         | Refer to SFP module   |
| <b>Network Cable</b>      | 10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable<br>EIA/TIA-568 100-ohm (100m)<br>100BaseTX: 2-pair UTP/STP Cat. 5 cable                              |

### MECHANICAL CHARACTERISTICS

|                  |                                     |
|------------------|-------------------------------------|
| <b>Housing</b>   | Metal, IP40 protection              |
| <b>Dimension</b> | 440 x 44 x 200 mm (W x H x D)       |
| <b>Weight</b>    | Unit: 6.22 lbs<br>Shipping: 7.8 lbs |
| <b>Mounting</b>  | 1U 19" Rackmount                    |

### POWER REQUIREMENT

|                                    |  |
|------------------------------------|--|
| <b>Input Voltage</b>               | 48~55VDC Redundant Input   |
| <b>Power Connection</b>            | 1 removable 8-contact terminal block                                   |
| <b>Relay Contact</b>               | 24VDC, 1A resistive  |
| <b>Overload Current Protection</b> | Present (Slow-Blown Fuse)  |
| <b>Reverse Polarity Protection</b> | Present  |
| <b>System Power Consumption</b>    | 21 Watts   |
| <b>PoE Pin Out</b>                 | V+, V+, V-, V- for pin 1, 2, 3, 6<br>*Endspan, MDI/MDI-X Alternative A |
| <b>PoE Power Budget</b>            | 720 Watts  |

### ENVIRONMENTAL LIMITS

|                                  |  |
|----------------------------------|--|
| <b>Operating Temperature</b>     | STD: -10°C to 65°C<br>EOT: -40°C to 75°C |
| <b>Storage Temperature</b>       | -40°C ~ 85°C                             |
| <b>Ambient Relative Humidity</b> | 5 to 95%, (non-condensing)               |

### REGULATORY APPROVALS

|                       |  |
|-----------------------|--|
| <b>EMI</b>            | FCC Part 15 Subpart B Class A,<br>CE EN55032/EN61000-6-4 Class A |
| <b>EMS</b>            | CE EN55024/EN61000-6-2,<br>IEC61000-4-2,3,4,5,6,8                |
| <b>Certifications</b> | FCC, CE, UL 61010-1, UL 61010-2-201                              |
| <b>Warranty</b>       | 5 Years  |

EIA/TIA-568 100-ohm (100m)  
1000BaseTX: 4-pair UTP/STP Cat. 5/5E  
cable; EIA/TIA-568 100-ohm (100m)

## ORDERING INFORMATION

|                        |   |
|------------------------|---|
| <b>LMP-2602G-SFP</b>   | 26-Port Industrial 1U 19 Inch Rackmount Gigabit PoE+ Managed Ethernet Switch, 24*10/100/1000TX (30W/Port) and 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slots); 48~55VDC Power Input                     |
| <b>LMP-2602G-SFP-T</b> | 26-Port Industrial 1U 19 Inch Rackmount Gigabit PoE+ Managed Ethernet Switch, 24*10/100/1000TX (30W/Port) and 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slots); 48~55VDC Power Input; EOT: -40°C to 75°C |