

## LMP-0601G-SFP-V2 Series

6-Port Industrial Gigabit PoE+ Light Layer 3 Managed Ethernet Switch, w/4\*10/100/1000Tx (30W/Port), 1\*10/100/1000Tx, and 1\*100/1000 SFP Slot; Version 2 Hardware



### Features

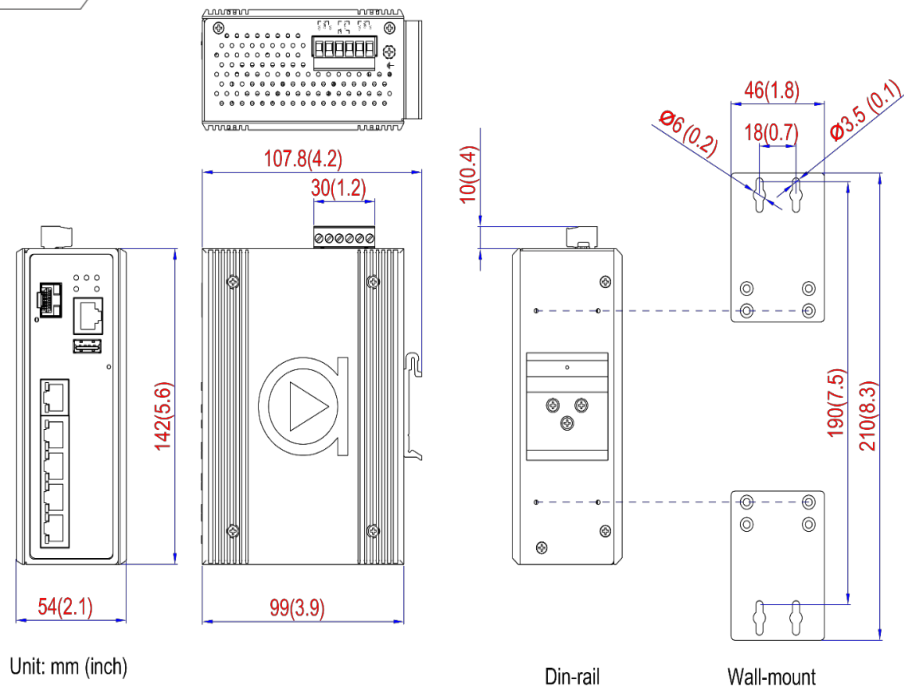
- ▶ Supports 4\*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port, 1\*10/100/1000Tx, and 1\*100/1000 SFP Slot
- ▶ Network Redundancy Support: RSTP/MSTP, and TG.8032 ERPS (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2/v3, up to 1024 Groups
- ▶ Supports QoS (IEEE802.1p) and CoS/ToS
- ▶ Supports IEEE802.1Q VLAN, SNMP v1/v2c/v3
- ▶ Power Input: 48~55VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ IP30 Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ Operating Temperature Range
  - STD: -10°C to 70°C, EOT: -40°C to 75°C
- ▶ 5-Year Warranty

### INTRODUCTION

Antaira Technologies' LMP-0601G-SFP-V2 Series is a 6-port industrial Gigabit PoE+ managed Ethernet switch embedded with 4\*10/100/1000Tx Ethernet ports support IEEE802.3af/at for a maximum of 30W/port, 1\*10/100/1000Tx and 1\*100/1000Fx SFP port. The LMP-0601G-SFP-V2 is a fully manageable light layer 3 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 Ethernet Ring Protection Switch (ERPS) protocol that has a <50ms network recovery time. The advanced network filtering and security functions, such as IGMP, VLAN, QoS, SNMP, RMON, Modbus TCP, and 802.1X/HTTPS/SSH/SSL increase determinism and improve network management for remote SCADA systems or control networks.

The LMP-0601G-SFP-V2 series is IP30 rated and DIN-rail 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



## SPECIFICATIONS

|   |   |
|---|---|
| <b>Technology</b>                         | Port/MAC/Protocol/IP Subnet-based VLAN, VLAN trunking, GARP/GVRP, Loop Guard, Link Aggregation static/LACP, BPDU guard, Error disable recovery, IGMPv2/v3 snooping, MLD snooping, IGMP filtering, IPMC throttling / filtering leave proxy, DHCP snooping, ARP, MEP, G.8032 v1/v2, NAT, DHCP per port, SMTP, Quick ERPS, TLS                       |
| <b>L2 Switching</b>                       |   |
| <b>L3 Switching</b>                       | DHCP option82, static routes  |
| <b>QoS</b>                                | 802.1p Queueing, Input priority mapping, Storm control for Unicast/Multicast/Broadcast, Port/Queue/ACL policer, Port egress shaper, Queue egress shaper, DiffServ (DSCP), Tag remarking, Scheduler mode   |
| <b>Power Saving</b>                       | ActiPHY, PerfectReach, IEEE 802.3az EEE power management  |
| <b>Network Redundancy</b>                 | STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)   |
| <b>Configuration System / Diagnostics</b> | Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3<br>Dual Image Protection, PING, PING6  |
| <b>Switch Properties</b>                  |   |
| <b>Switch Architecture</b>                | Back-Plane (Switching Fabric): 12Gbps IPv4/IPv6, SNMP v1/v2c/v3, LLDP, LLDP-MED, HTTP, HTTPS, SSHv2 telnet, DHCP client, DHCPv6 client, DHCP server, Port Mirror, DNS client/proxy, IP based Access Filter, ICMPv6, syslog, Time Zone / Daylight Saving, NTP client, RMON, sFlow, Loop detection, Console Port, Power Lost Warning, Relay Trigger |
| <b>Protocols</b>                          |   |
| <b>Priority Queues</b>                    | 8   |
| <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<br>148,800pps for Fast Ethernet Port<br>1,488,000pps for Gigabit Ethernet Port  |
| <b>Memory Buffer</b>                      | 4Mbits  |
| <b>Jumbo Frame</b>                        | 9.6Kbytes   |
| <b>MAC Table Size</b>                     | 8K  |
| <b>VLAN Group</b>                         | 4095  |
| <b>IGMP Group</b>                         | 1024  |
| <b>Port Interface</b>                     |   |
| <b>Ethernet Port</b>                      | 5*10/100/1000Base-TX w/4*PoE+ (30W/Port), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDIX connection   |
| <b>SFP Port</b>                           | 1*100/1000 SFP Slot   |
| <b>RS232 Serial Console</b>               | 1*RS232 in RJ45   |
| <b>LED Indicators</b>                     | System: Power 1, Power 2, Master, Ring, Fault<br>Ethernet Ports: Speed/Link/Active<br>Fiber Port: Link/Active   |

|                                    |  |
|------------------------------------|--|
| <b>Protection</b>                  |  |
| <b>Network Cable</b>               | 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable<br>EIA/TIA-568 100-ohm (100m)<br>100Base-TX: 2-pair UTP/STP Cat. 5 cable<br>EIA/TIA-568 100-ohm (100m)<br>1000Base-TX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m) |
| <b>Mechanical Characteristics</b>  |  |
| <b>Housing</b>                     | Metal, IP30 protection   |
| <b>Dimensions</b>                  | 54 x 142 x 99 mm (W x H x D)   |
| <b>Weight</b>                      | Unit: 1.9 lbs.<br>Shipping: 2.7 lbs.   |
| <b>Mounting</b>                    | DIN-Rail mounting, Wall mounting   |
| <b>Power Requirement</b>           |  |
| <b>Input Voltage</b>               | 48~55VDC Redundant Input   |
| <b>Power Connection</b>            | 1 removable 6-contact terminal block   |
| <b>Relay Contact</b>               | 24VDC, 1A resistive  |
| <b>Overload Current Protection</b> | Present  |
| <b>Reverse Polarity Protection</b> | Present  |
| <b>PoE Pin Assignment</b>          | V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)  |
| <b>PoE Power Budget</b>            | 120W   |
| <b>System Power Consumption</b>    | 7.5W   |
| <b>Environmental Limits</b>        |  |
| <b>Operating Temperature</b>       | STD: -10°C to 70°C<br>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,<br>CE EN55032/EN61000-6-4 Class A   |
| <b>EMS</b>                         | CE EN55035/EN61000-6-2,<br>IEC61000-4-2,3,4,5,6,8  |
| <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, 61010-2-201   |
| <b>Warranty</b>                    | 5 Years  |

## ORDERING INFO

|                           |  |
|---------------------------|--|
| <b>LMP-0601G-SFP-V2</b>   | 6-Port Industrial Gigabit PoE+ Light Layer 3 Managed Ethernet Switch, w/4*10/100/1000Tx (30W/Port), 1*10/100/1000Tx, and 1*100/1000 SFP Slot; Version 2 Hardware                     |
| <b>LMP-0601G-SFP-T-V2</b> | 6-Port Industrial Gigabit PoE+ Light Layer 3 Managed Ethernet Switch, w/4*10/100/1000Tx (30W/Port), 1*10/100/1000Tx, and 1*100/1000 SFP Slot; Version 2 Hardware; EOT: -40°C to 75°C |

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