

## LMX-0601G-SFP-V2 Series

6-Port Industrial Gigabit Light Layer 3 Managed Ethernet Switch, with 5\*10/100/1000Tx and 1\*100/1000 SFP Slot, 12~48VDC Power Input; Version 2 Hardware



### Features

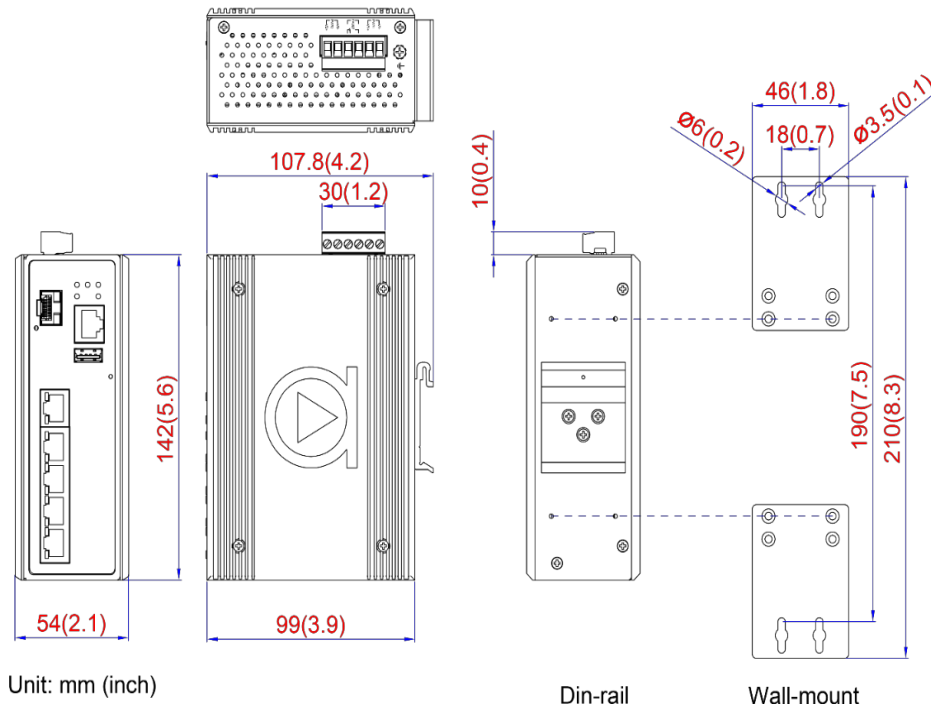
- ▶ Supports 5\*10/100/1000Tx Fast Ethernet Ports and 1\*100/1000 SFP Slot
- ▶ Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2/v3, up to 1024 Groups
- ▶ Supports QoS (IEEE802.1p) and CoS/ToS
- ▶ Supports IEEE802.1Q VLAN, SNMP v1/v2c/v3
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ 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' LMX-0601G-SFP-V2 series is a 6-port industrial Gigabit managed Ethernet switch embedded with 5\*10/100/1000Tx Ethernet ports and 1\*100/1000 SFP slot. The LMX-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 LMX-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

| Technology               |                                                                                                                                                                                                                                                                                                                                                   | Protection                        |                                                                                                                                                                                                                             |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2 Switching             | 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                       | Network Cable                     | 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>1000BaseTX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m) |
|                          |                                                                                                                                                                                                                                                                                                                                                   |                                   |                                                                                                                                                                                                                             |
| L3 Switching             | DHCP option82, static routes                                                                                                                                                                                                                                                                                                                      | <b>Mechanical Characteristics</b> |                                                                                                                                                                                                                             |
| QoS                      | 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                                                                                                                                           | Housing                           | Metal, IP30 protection                                                                                                                                                                                                      |
|                          |                                                                                                                                                                                                                                                                                                                                                   | Dimensions                        | 54 x 142 x 99 mm (W x H x D)                                                                                                                                                                                                |
| Power Saving             | ActiPHY, PerfectReach, IEEE 802.3az EEE power management                                                                                                                                                                                                                                                                                          | Weight                            | Unit: 1.9 lbs<br>Shipping: 2.7 lbs                                                                                                                                                                                          |
| Network Redundancy       | STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)                                                                                                                                                                                                                                                                                           | Mounting                          | DIN-Rail mounting, Wall mounting                                                                                                                                                                                            |
| Configuration            | Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3                                                                                                                                                                                                                                                                                                      | <b>Power Requirement</b>          |                                                                                                                                                                                                                             |
| System / Diagnostics     | Dual Image Protection, PING, PING6                                                                                                                                                                                                                                                                                                                | Input Voltage                     | 12~48VDC Redundant Input                                                                                                                                                                                                    |
| <b>Switch Properties</b> |                                                                                                                                                                                                                                                                                                                                                   | Power Connection                  | 1 removable 6-contact terminal block                                                                                                                                                                                        |
| Switch Architecture      | 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 | Relay Contact                     | 24VDC, 1A resistive                                                                                                                                                                                                         |
| Protocols                |                                                                                                                                                                                                                                                                                                                                                   | Overload Current Protection       | Present                                                                                                                                                                                                                     |
| Priority Queues          | 8                                                                                                                                                                                                                                                                                                                                                 | Reverse Polarity Protection       | Present                                                                                                                                                                                                                     |
| Processing Type          | Store and Forward                                                                                                                                                                                                                                                                                                                                 | System Power Consumption          | 7.5W                                                                                                                                                                                                                        |
| Flow Control             | IEEE 802.3x flow control, back pressure flow control                                                                                                                                                                                                                                                                                              | <b>Environmental Limits</b>       |                                                                                                                                                                                                                             |
| Transfer Rate            | 14,880pps for Ethernet Port                                                                                                                                                                                                                                                                                                                       | Operating Temperature             | STD: -10°C to 70°C<br>EOT: -40°C to 75°C                                                                                                                                                                                    |
|                          | 148,800pps for Fast Ethernet Port                                                                                                                                                                                                                                                                                                                 | Storage Temperature               | -40°C to 85°C                                                                                                                                                                                                               |
| Memory Buffer            | 4Mbits                                                                                                                                                                                                                                                                                                                                            | Ambient Relative Humidity         | 5% to 95%, (non-condensing)                                                                                                                                                                                                 |
| Jumbo Frame              | 9.6Kbytes                                                                                                                                                                                                                                                                                                                                         | <b>Regulatory Approvals</b>       |                                                                                                                                                                                                                             |
| MAC Table Size           | 8K                                                                                                                                                                                                                                                                                                                                                | EMI                               | FCC Part 15 Subpart B Class A,<br>CE EN55032/EN61000-6-4 Class A                                                                                                                                                            |
| VLAN Group               | 4095                                                                                                                                                                                                                                                                                                                                              | EMS                               | CE EN55035/EN61000-6-2,<br>IEC61000-4-2,3,4,5,6,8                                                                                                                                                                           |
| IGMP Group               | 1024                                                                                                                                                                                                                                                                                                                                              | Free Fall                         | IEC60068-2-32                                                                                                                                                                                                               |
| <b>Port Interface</b>    |                                                                                                                                                                                                                                                                                                                                                   | Shock                             | IEC60068-2-27                                                                                                                                                                                                               |
| Ethernet Port            | 5*10/100/1000Base-TX, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection                                                                                                                                                                                                                                                | Vibration                         | IEC60068-2-6                                                                                                                                                                                                                |
| SFP Port                 | 1*100/1000 SFP Slot                                                                                                                                                                                                                                                                                                                               | Green                             | RoHS Compliant                                                                                                                                                                                                              |
| RS232 Serial Console     | 1*RS232 in RJ45                                                                                                                                                                                                                                                                                                                                   | Certifications                    | FCC, CE, UL 61010-1, 61010-2-201                                                                                                                                                                                            |
| LED Indicators           | System: Power 1, Power 2, Master, Ring, Fault<br>Ethernet Ports: Speed/Link/Active<br>Fixed Fiber: Link/Active                                                                                                                                                                                                                                    | Warranty                          | 5 Years                                                                                                                                                                                                                     |

## ORDERING INFO

|                    |                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LMX-0601G-SFP-V2   | 6-Port Industrial Light Layer 3 Managed Ethernet Switch, with 5*10/100/1000Tx and 1*100/1000 SFP Slot, 12~55VDC Power Input; Version 2 Hardware                     |
| LMX-0601G-SFP-T-V2 | 6-Port Industrial Light Layer 3 Managed Ethernet Switch, with 5*10/100/1000Tx and 1*100/1000 SFP Slot, 12~55VDC Power Input; Version 2 Hardware; EOT: -40°C to 75°C |

## Assured Systems

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