

## LMP-0702G-SFP-24-V2 Series

7-Port Industrial Gigabit PoE+ Light Layer 3 Managed Ethernet Switch, w/4\*10/100/1000Tx (30W/Port), 1\*10/100/1000Tx, and 2\*100/1000 SFP Slots, 12~55VDC Power Input; Version 2 Hardware



### Features

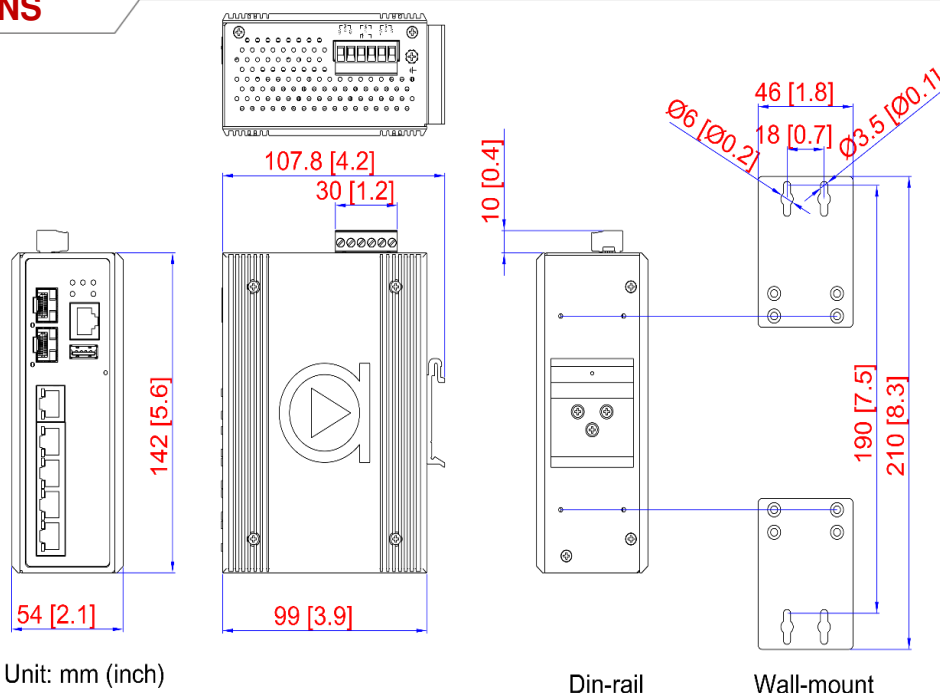
- ▶ Supports 4\*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port, 1\*10/100/1000Tx RJ45 Port, and 2\*100/1000 SFP Slots
- ▶ Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS v1/v2 (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2/v3, up to 1024 Groups
- ▶ Supports QoS (IEEE802.1p) and CoS/ToS
- ▶ Supports IEEE802.1Q VLAN, SNMP v1/v2c/v3
- ▶ Power Input: 12~55VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ IP30 Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ Operating Temperature Range
  - STD: -10° to 65°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

### INTRODUCTION

Antaira Technologies' LMP-0702G-SFP-24-V2 series is a 7-port industrial Gigabit PoE+ managed Ethernet switch embedded with 4\*10/100/1000Tx Ethernet ports that support IEEE802.3at/af for a maximum of 30W/port, 1\*10/100/1000Tx Gigabit Ethernet port, and 2\*100/1000 dual rate SFP slots for fiber connection. The LMP-0702G-SFP-24-V2 series 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-0702G-SFP-24-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 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                    |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                         |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2 Switching                  | Port/MAC/Protocol/IP Subnet-based VLAN, VLAN trunking, GARP/GVRP, Loop Guard, Link Aggregation static/LACP, BPDU guard, Error disable recovery, IGMP v1/v2/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 |                                                                                                                                                                                                         |
|                               | L3 Switching                                                                                                                                                                                                                                                                                                                    | DHCP option82, static routes                                                                                                                                                                            |
|                               | 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 |
| Power Saving                  | ActiPHY, PerfectReach, IEEE 802.3az EEE power management                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                         |
| Network Redundancy            | STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                         |
| Configuration                 | Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                         |
| System / Diagnostics          | Dual Image Protection, PING, PING6                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                         |
| Switch Properties             |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                         |
| Back-Plane (Switching Fabric) | 14Gbps                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                         |
| Priority Queues               | 8                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                         |
| Processing Type               | Store and Forward                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                         |
| Flow Control                  | IEEE 802.3x flow control, back pressure flow control                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                         |
| Transfer Rate                 | 14,880pps for Ethernet Port<br>148,800pps for Fast Ethernet Port<br>1,488,000pps for Gigabit Ethernet Port                                                                                                                                                                                                                      |                                                                                                                                                                                                         |
| Memory Buffer                 | 4Mbits                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                         |
| Jumbo Frame                   | 9.6Kbytes                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                         |
| MAC Table Size                | 8K                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                         |
| VLAN Group                    | 4095                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                         |
| IGMP Group                    | 1024                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                         |
| Port Interface                |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                         |
| Ethernet Port                 | 5*10/100/1000Base-TX (30W/Port for Port 1~4 only), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection                                                                                                                                                                                                 |                                                                                                                                                                                                         |
| SFP Port                      | 2*100/1000 SFP Slots                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                         |
| RS232 Serial Console          | 1*RS232 in RJ45                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                         |
| LED Indicators                | System: Power 1, Power 2, Master, Ring, Fault<br>Ethernet Ports: Speed/Link/Active<br>SFP: Link/Active                                                                                                                                                                                                                          |                                                                                                                                                                                                         |

| Protection                  |                                                                                                                                                                                                                             |                        |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 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>1000Base-T: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m) |                        |
|                             | Mechanical Characteristics                                                                                                                                                                                                  |                        |
|                             | Housing                                                                                                                                                                                                                     | Metal, IP30 protection |
| Dimensions                  | 54 x 142 x 99 mm (W x H x D)                                                                                                                                                                                                |                        |
| Weight                      | Unit: 1.9 lbs<br>Shipping: 2.7 lbs                                                                                                                                                                                          |                        |
| Mounting                    | DIN-Rail, Wall Mounting                                                                                                                                                                                                     |                        |
| Power Requirement           |                                                                                                                                                                                                                             |                        |
| Input Voltage               | 12~55VDC Redundant Input                                                                                                                                                                                                    |                        |
| Power Connection            | 1 removable 6-contact terminal block                                                                                                                                                                                        |                        |
| Relay Contact               | 24VDC, 1A resistive                                                                                                                                                                                                         |                        |
| Overload Current Protection | Present                                                                                                                                                                                                                     |                        |
| Reverse Polarity Protection | Present                                                                                                                                                                                                                     |                        |
| PoE Pin Assignment          | V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, Mode A)                                                                                                                                                                        |                        |
| PoE Power Budget            | 90W@12VDC<br>120W@24-55VDC                                                                                                                                                                                                  |                        |
| System Power Consumption    | 7.5W                                                                                                                                                                                                                        |                        |
| Environmental Limits        |                                                                                                                                                                                                                             |                        |
| Operating Temperature       | STD: -10°C to 65°C<br>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                                                                                                                                                               |                        |
| EMS                         | CE EN55035/EN61000-6-2 IEC61000-4-2,3,4,5,6,8                                                                                                                                                                               |                        |
| Free Fall                   | IEC60068-2-32                                                                                                                                                                                                               |                        |
| Shock                       | IEC60068-2-27                                                                                                                                                                                                               |                        |
| Vibration                   | IEC60068-2-6                                                                                                                                                                                                                |                        |
| Green                       | RoHS Compliant                                                                                                                                                                                                              |                        |
| Certifications              | FCC, CE, UL 61010-1, 61010-2-201                                                                                                                                                                                            |                        |
| Warranty                    | 5 Years                                                                                                                                                                                                                     |                        |

## ORDERING INFO

|                       |                                                                                                                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LMP-0702G-SFP-24-V2   | 7-Port Industrial Gigabit PoE+ Managed Ethernet Switch, w/4*10/100/1000Tx (30W/Port), 1*10/100/1000Tx, and 2*100/1000 SFP Slots, 12~55VDC Power Input; Version 2 Hardware                     |
| LMP-0702G-SFP-24-T-V2 | 7-Port Industrial Gigabit PoE+ Managed Ethernet Switch, w/4*10/100/1000Tx (30W/Port), 1*10/100/1000Tx, and 2*100/1000 SFP Slots, 12~55VDC Power Input; Version 2 Hardware; 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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