

# LMX-1002G-10G-SFP

10-Port Industrial Light Layer 3 Gigabit Managed Ethernet Switch, with 8\*10/100/1000Tx and 2\*1G/10G SFP+ Slots



## Features

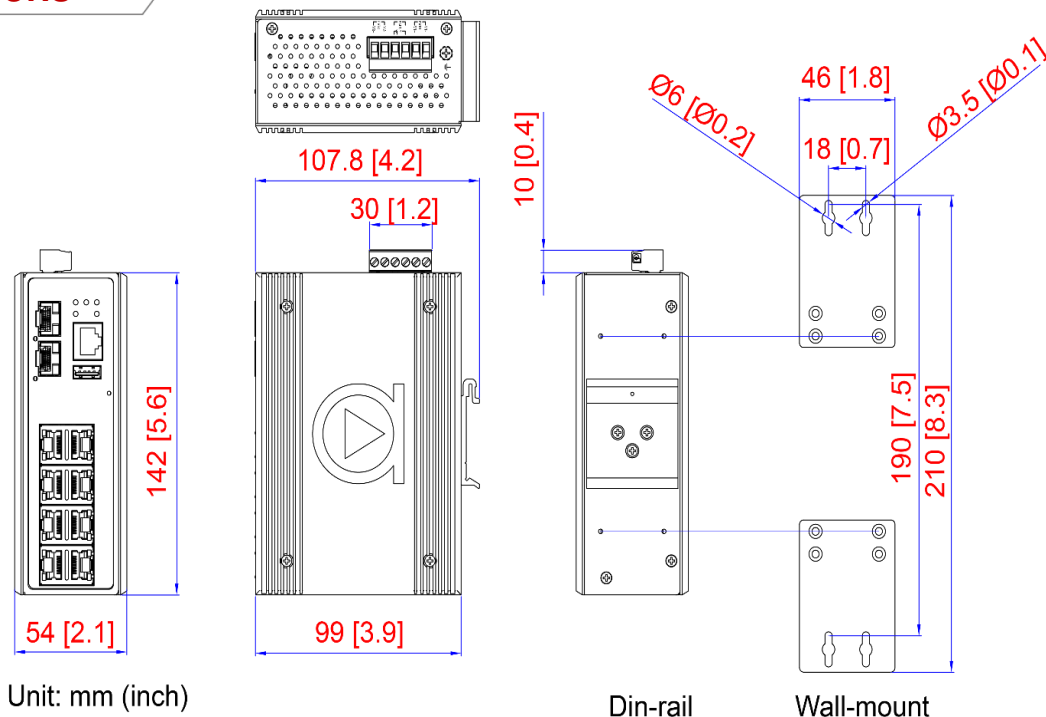
- ▶ Supports 8\*10/100/1000Tx RJ45 Ports
- ▶ Supports 2\*1G/10G SFP+ Slots
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ IGMP v1/v2 for Multicast Traffic Filtering
- ▶ IEEE802.1Q VLAN for Easy Network Planning
- ▶ Power Input: 12~48VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ IP30 Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ Operating Temperature Range - STD: -40° to 60°C
- ▶ 5-Year Warranty

## INTRODUCTION

Antaira Technologies' LMX-1002G-10G-SFP is a 10-port industrial gigabit managed Ethernet switch that is embedded with eight gigabit Ethernet ports and two dual rates (1G/10G) SFP+ slots for fiber connection. This is a fully manageable industrial Ethernet switch pre-loaded with standard light layer 3 network management software. It supports jumbo frame and wide bandwidth for data transmission and has sufficient port counts for edge-level connectivity solutions.

The LMX-1002G-10G-SFP has a compact form factor design with an IP30 rating, DIN-rail mounting, and standard operating temperature support from -40°C to 60°C. It also provides high EFT and ESD protection for any industrial networking application within factory automation, ITS, power/utility, water wastewater, or any other outdoor or harsh environment. The two 10 gig SFP+ ports deliver high bandwidth support to applications requiring greater speeds of connectivity.

## DIMENSIONS



## SPECIFICATIONS

|                                    |   |
|------------------------------------|---|
| <b>Technology</b>                  |   |
| <b>L2 Switching</b>                | Port/MAC/Protocol/IP Subnet-based VLAN, GARP/GVRP, Loop Guard, Link Aggregation static/LACP, BPDU guard, Error disable recovery, IGMP snooping v2/v3, MLD snooping v1/v2, IGMP filtering, IPMC throttling / filtering leave proxy, DHCP snooping, G.8032 v1/v2  |
| <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   |
| <b>Network Redundancy</b>          | STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)   |
| <b>Configuration</b>               | Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3  |
| <b>System / Diagnostics</b>        | Dual Image Protection, PING, PING6  |
| <b>Switch Properties</b>           |   |
| <b>Switch Architecture</b>         | Back-Plane (Switching Fabric): 56Gbps 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>Processing Type</b>             | Store and Forward   |
| <b>Transfer Rate</b>               | 14,880pps for Ethernet Port<br>148,800pps for Fast Ethernet Port<br>1,488,000pps for Gigabit Ethernet Port<br>14,880,000pps for 10 Gigabit Ethernet Port  |
| <b>Packet Buffer</b>               | 4 Mbits   |
| <b>MAC Table</b>                   | 16K   |
| <b>Jumbo Frame</b>                 | 9.6Kbytes   |
| <b>Flow Control</b>                | IEEE 802.3x for full duplex mode, back pressure for half duplex mode  |
| <b>VLAN Group</b>                  | 4095  |
| <b>IGMP Group</b>                  | 1024  |
| <b>Port Interface</b>              |   |
| <b>Ethernet Port</b>               | 8*10/100/1000BaseTx<br>Auto Negotiation Speed, Full/Half duplex mode, and auto MDI/MDI-X connection   |
| <b>SFP Port</b>                    | 2*1G/10G SFP+ slots   |
| <b>Wavelength</b>                  | Depends on SFP modules  |
| <b>RS232 Serial Console</b>        | 1*RS232 in RJ45 connector with console cable, baud rate 115.2Kbps, 8, N, 1  |
| <b>Protection</b>                  |   |
| <b>Overload Current Protection</b> | Present   |
| <b>Reverse Polarity Protection</b> | Present   |
| <b>Network Cable</b>               | 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)<br>100Base-TX: 2-pair UTP/STP Cat. 5 cable 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: 2.29lbs<br>Shipping: 2.95lbs  |
| <b>Mounting</b>                    | DIN-Rail Mounting, Wall Mounting  |
| <b>Power Requirement</b>           |   |
| <b>Input Voltage</b>               | 12-48VDC Redundant Power Inputs   |
| <b>Power Connection</b>            | 1 Removable 6-Contact Terminal Block  |
| <b>System Power Consumption</b>    | 15.5W   |
| <b>Environmental Limits</b>        |   |
| <b>Operating Temperature</b>       | STD: -40°C to 60°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   |
| <b>EMS</b>                         | CE EN55035/EN61000-6-2 Class A; 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

**LMX-1002G-10G-SFP** 10-Port Industrial Light Layer 3 Gigabit Managed Ethernet Switch, with 8\*10/100/1000Tx and 2\*1G/10G SFP+ Slots

## 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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