

## LMX-0501G-SFP-V2 Series

5-Port Industrial Gigabit Managed Ethernet Switch w/4\*10/100/1000Tx and 1\*100/1000 SFP Slot; Version 2 Hardware



### Features

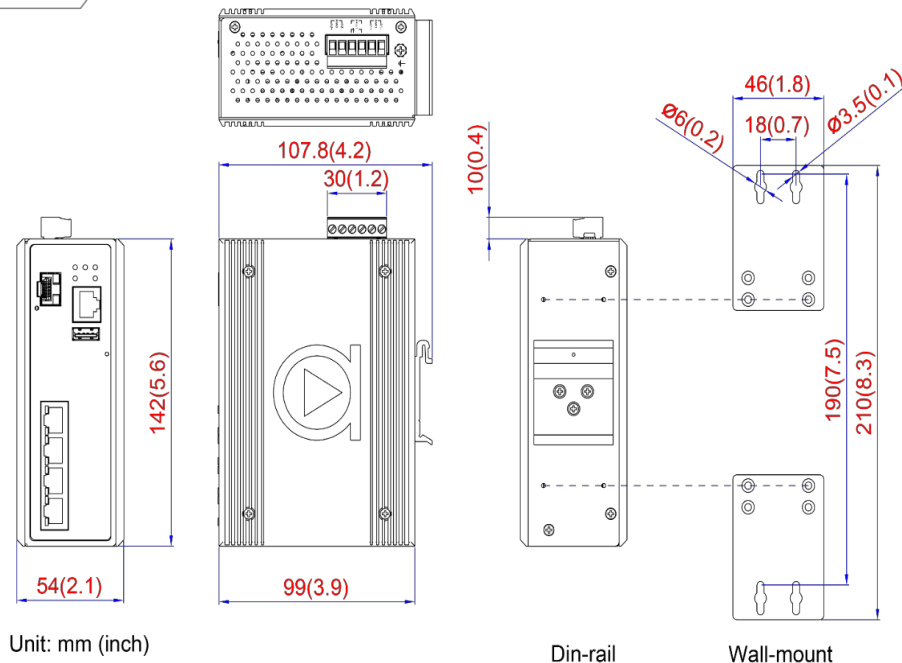
- ▶ Supports 4\*10/100/1000Tx Fast Ethernet Ports and 1\*100/1000 SFP Slot
- ▶ Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2/v3, up to 1024 Groups
- ▶ Supports QoS (IEEE802.1p) and CoS/ToS
- ▶ Supports 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° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

### INTRODUCTION

Antaira Technologies' LMX-0501G-SFP-V2 series is a 5-port industrial Gigabit managed Ethernet switch embedded with 4\*10/100/1000Tx Ethernet ports and 1\*100/1000Tx SFP slot. The LMX-0501G-SFP-V2 is a fully manageable Layer 2 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-0501G-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
		Dual Image Protection, PING, PING6
<b>Switch Properties</b>		
<b>Switch Architecture</b>		Back-Plane (Switching Fabric): 10.0Gbps
<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 148,800pps for Fast Ethernet Port 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>		4*10/100/1000Base-TX, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>SFP Port</b>		1*100/1000 SFP Slot
<b>RS232 Serial Console</b>		1*RS232 in RJ45
<b>Configuration Backup</b>		1*USB 2.0
<b>LED Indicators</b>		System: Power 1, Power 2, Master, Ring, Fault Ethernet Ports: Speed/Link/Active SFP: Link/Active
<b>Protection</b>		10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
<b>Network Cable</b>		
<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. Shipping: 2.7 lbs.
<b>Mounting</b>		DIN-Rail, Wall-mount (Optional)
<b>Power Requirement</b>		
<b>Input Voltage</b>		12~48VDC 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>System Power Consumption</b>		7.5W
<b>Environmental Limits</b>		
<b>Operating Temperature</b>		STD: -10°C to 70°C 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, CE EN55032/EN61000-6-4 Class A
<b>EMS</b>		CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
<b>Free Fall / Shock / Vibration</b>		IEC60068-2-32 / IEC60068-2-27 / IEC60068-2-6
<b>Green</b>		RoHS Compliant
<b>Certifications</b>		FCC, CE
<b>Warranty</b>		5 Years

## ORDERING INFO

<b>LMX-0501G-SFP-V2</b>	5-Port Industrial Gigabit Managed Ethernet Switch w/4*10/100/1000Tx and 1*100/1000 SFP Slot, 12~48VDC Power Input; Version 2 Hardware
<b>LMX-0501G-SFP-T-V2</b>	5-Port Industrial Gigabit Managed Ethernet Switch w/4*10/100/1000Tx and 1*100/1000 SFP Slot, 12~48VDC 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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