

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

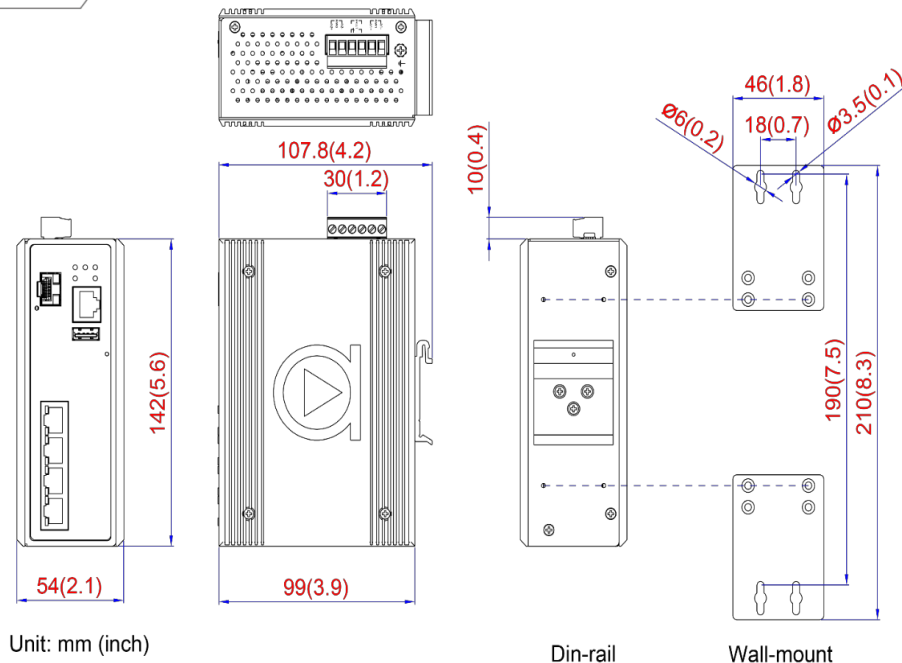
- ▶ Supports 4*10/100/1000Tx Fast Ethernet Ports and 1*100/1000 SFP Slot
- ▶ Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2/v3, up to 1024 Groups
- ▶ Supports QoS (IEEE802.1p) and CoS/ToS
- ▶ Supports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

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 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)
L3 Switching	DHCP option82, static routes	Mechanical Characteristics	
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. Shipping: 2.7 lbs.
Network Redundancy	STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)	Mounting	DIN-Rail, Wall-mount (Optional)
Configuration System / Diagnostics	Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3	Power Requirement	
Switch Properties		Input Voltage	12~48VDC Redundant Input
Switch Architecture	Back-Plane (Switching Fabric): 10.0Gbps	Power Connection	1 removable 6-contact terminal block
Priority Queues	8	Relay Contact	24VDC, 1A resistive
Processing Type	Store and Forward	Overload Current Protection	Present
Flow Control	IEEE 802.3x flow control, back pressure flow control	Reverse Polarity Protection	Present
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	System Power Consumption	7.5W
Memory Buffer	4Mbits	Environmental Limits	
Jumbo Frame	9.6Kbytes	Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 75°C
MAC Table Size	8K	Storage Temperature	-40°C to 85°C
VLAN Group	4095	Ambient Relative Humidity	5% to 95%, (non-condensing)
IGMP Group	1024	Regulatory Approvals	
Port Interface		EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
Ethernet Port	4*10/100/1000Base-TX, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	EMS	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
SFP Port	1*100/1000 SFP Slot	Free Fall / Shock / Vibration	IEC60068-2-32 / IEC60068-2-27 / IEC60068-2-6
RS232 Serial Console	1*RS232 in RJ45	Green	RoHS Compliant
Configuration Backup	1*USB 2.0	Certifications	FCC, CE
LED Indicators	System: Power 1, Power 2, Master, Ring, Fault Ethernet Ports: Speed/Link/Active SFP: Link/Active	Warranty	5 Years

ORDERING INFO

LMX-0501G-SFP-V2	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
LMX-0501G-SFP-T-V2	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

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