

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

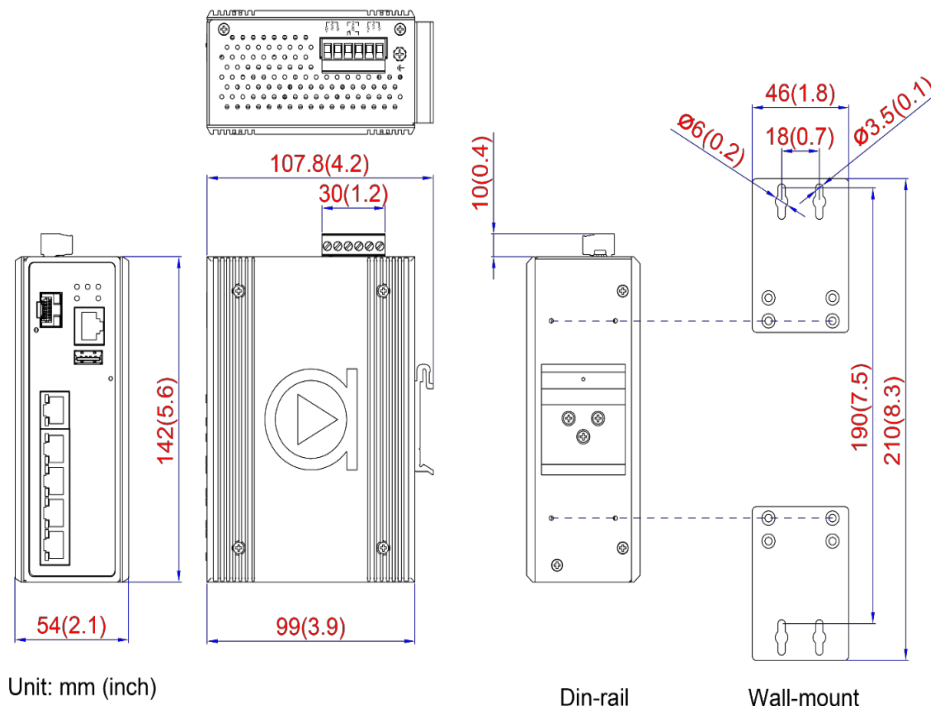
- ▶ Supports 5*10/100/1000Tx Fast Ethernet Ports and 1*100/1000 SFP Slot
- ▶ Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2/v3, up to 1024 Groups
- ▶ Supports QoS (IEEE802.1p) and CoS/ToS
- ▶ Supports 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 EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000BaseTX: 4-pair 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 mounting, Wall mounting
Configuration	Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3	Power Requirement	
System / Diagnostics	Dual Image Protection, PING, PING6	Input Voltage	12~48VDC Redundant Input
Switch Properties		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	Environmental Limits	
Transfer Rate	14,880pps for Ethernet Port	Operating Temperature	STD: -10°C to 70°C 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	Regulatory Approvals	
MAC Table Size	8K	EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
VLAN Group	4095	EMS	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
IGMP Group	1024	Free Fall	IEC60068-2-32
Port Interface		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 Ethernet Ports: Speed/Link/Active 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

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