

LMX-0702G-SFP-V2 Series

7-Port Industrial Managed Ethernet Switch
w/5*10/100/1000Tx and 2*100/1000 SFP Slots; Version 2
Hardware



Features

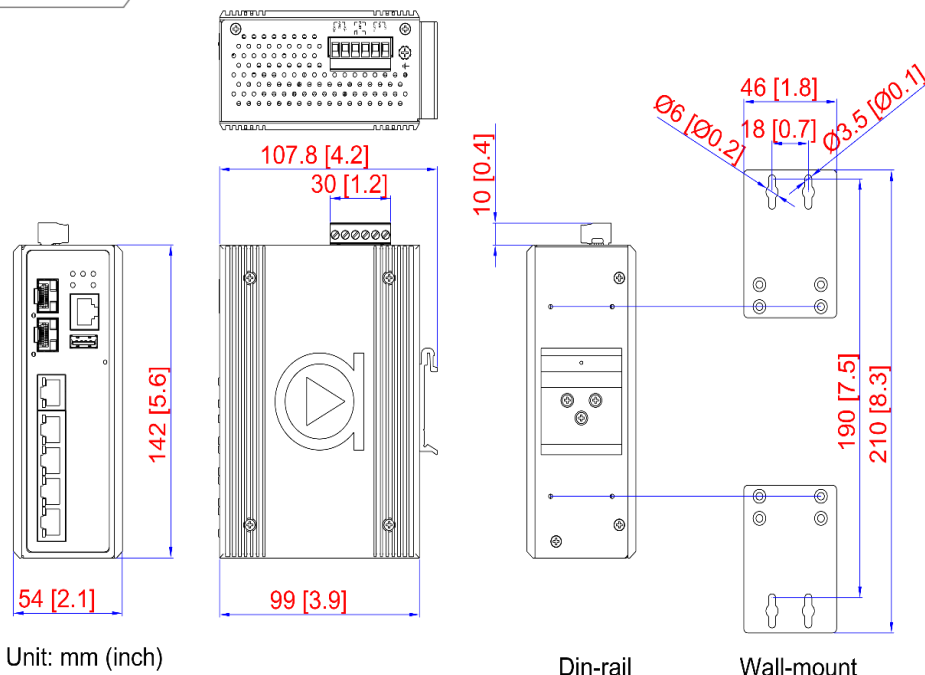
- ▶ Supports 5*10/100/1000Tx Fast Ethernet Ports and 2*100/1000 SFP Slots
- ▶ Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2/v3, up to 1024 Groups
- ▶ Supports QoS (IEEE802.1p) and CoS/ToS
- ▶ Supports IEEE802.1Q VLAN, SNMP v1/v2c/v3
- ▶ Power Input: 12~48VDC 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' LMX-0702G-SFP-V2 series is a 7-port industrial Gigabit managed Ethernet switch embedded with 5*10/100/1000Tx Ethernet ports and 2*100/1000 SFP slots. The LMX-0702G-SFP-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 a 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-0702G-SFP-V2 series is IP30 rated and DIN-rail mountable. There also are available in 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 148,800pps for Fast Ethernet Port 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, 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 Ethernet Ports: Speed/Link/Active SFP: Link/Active	

Protection		
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)	
	Mechanical Characteristics	
	Housing	Metal, IP30 protection
Dimensions	54 x 142 x 99 mm (W x H x D)	
Weight	Unit: 1.91 lbs Shipping: 2.57 lbs	
Mounting	DIN-Rail, Wall Mounting	
Power Requirement		
Input Voltage	12~48VDC Redundant Input	
Power Connection	1 removable 6-contact terminal block	
Relay Contact	24VDC, 1A resistive	
Overload Current Protection	Present	
Reverse Polarity Protection	Present	
System Power Consumption	7.5W	
Environmental Limits		
Operating Temperature	STD: -10°C to 65°C 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

LMX-0702G-SFP-V2	7-Port Industrial Managed Ethernet Switch w/5*10/100/1000Tx and 2*100/1000 SFP Slots, 12~48VDC Power Input; Version 2 Hardware
LMX-0702G-SFP-T-V2	7-Port Industrial Managed Ethernet Switch w/5*10/100/1000Tx and 2*100/1000 SFP Slots, 12~48VDC Power Input; Version 2 Hardware; EOT: -40°C to 75°C

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