

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

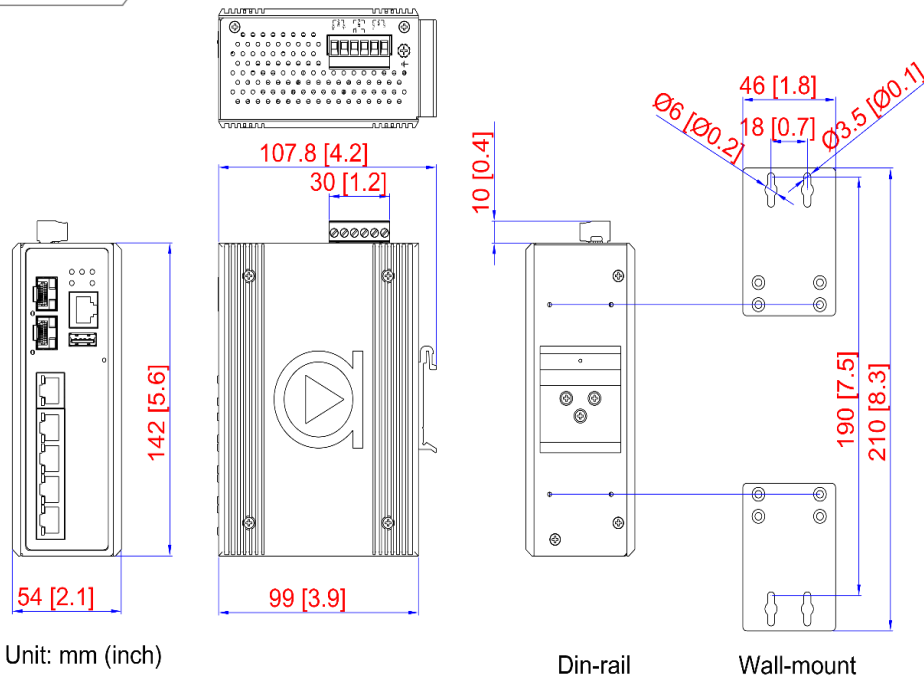
- ▶ Supports 5*10/100/1000Tx Fast Ethernet Ports and 2*100/1000 SFP Slots
- ▶ Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2/v3, up to 1024 Groups
- ▶ Supports QoS (IEEE802.1p) and CoS/ToS
- ▶ Supports 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		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
L2 Switching		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
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 System / Diagnostics		Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3 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 Shock		IEC60068-2-32 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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