

LMX-0602-XX-V2 Series

6-Port Industrial Light Layer 3 Managed Ethernet Switch, with 4*10/100Tx and 2*100Fx Multi-Mode/Single Mode, 12~48VDC Power Input; Version 2 Hardware



Features

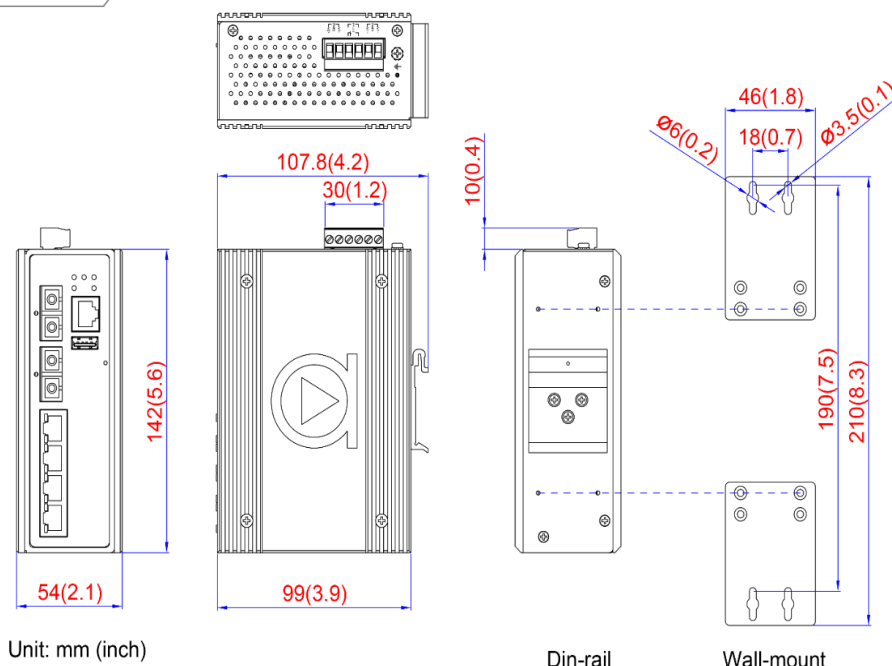
- ▶ Supports 4*10/100Tx RJ45 Ports and 2*100Fx Fiber Ports
- ▶ Supports Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2/v3, up to 1024 Groups
- ▶ QoS (IEEE802.1p/1Q), CoS/ToS to Increase Determinism
- ▶ 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-0602-XX-V2 series is a 6-port industrial managed Ethernet switch embedded with 4*10/100Tx Ethernet ports and 2*100Fx fiber connections. The LMX-0602-XX-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-0602-XX-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		RS232 Serial Console	1*RS232 in RJ45
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	LED Indicators	System: Power 1, Power 2, Master, Ring, Fault Ethernet Ports: Speed/Link/Active Fixed Fiber: Link/Active
	L3 Switching	Protection	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)
QoS	DHCP option82, static routes 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	Network Cable	
Power Saving	ActiPHY, PerfectReach, IEEE 802.3az EEE power management	Mechanical Characteristics	
Network Redundancy	STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)	Housing	Metal, IP30 protection
Configuration System / Diagnostics	Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3	Dimensions	54 x 142 x 99 mm (W x H x D)
Switch Properties	Dual Image Protection, PING, PING6	Weight	Unit: 1.9 lbs Shipping: 2.7 lbs
Switch Architecture	Back-Plane (Switching Fabric): 1.2Gbps 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	Mounting	DIN-Rail mounting, Wall mounting
Protocols		Power Requirement	
Priority Queues	8	Input Voltage	12~48VDC Redundant Input
Processing Type	Store and Forward	Power Connection	1 removable 6-contact terminal block
Flow Control	IEEE 802.3x flow control, back pressure flow control	Relay Contact	24VDC, 1A resistive
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port	Overload Current Protection	Present
Memory Buffer	4Mbits	Reverse Polarity Protection	Present
Jumbo Frame	9.6Kbytes	System Power Consumption	7.5W
MAC Table Size	8K	Environmental Limits	
VLAN Group	4095	Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 75°C
IGMP Group	1024	Storage Temperature	-40°C to 85°C
Port Interface		Ambient Relative Humidity	5% to 95%, (non-condensing)
Ethernet Port	4*10/100Base-TX, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Regulatory Approvals	
Fiber Port	2*100Base-FX SC/ST type connector	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-0602-M-V2	6-Port Industrial Light Layer 3 Managed Ethernet Switch, with 4*10/100Tx and 2*100Fx Multi-Mode 2Km, 12~48VDC Power Input; Version 2 Hardware
LMX-0602-M-T-V2	6-Port Industrial Light Layer 3 Managed Ethernet Switch, with 4*10/100Tx and 2*100Fx Multi-Mode 2Km, 12~48VDC Power Input; Version 2 Hardware; EOT: -40°C to 75°C
LMX-0602-S3-V2	6-Port Industrial Light Layer 3 Managed Ethernet Switch, with 4*10/100Tx and 2*100Fx Single-Mode 30Km, 12~48VDC Power Input; Version 2 Hardware
LMX-0602-S3-T-V2	6-Port Industrial Light Layer 3 Managed Ethernet Switch, with 4*10/100Tx and 2*100Fx Single-Mode 30Km, 12~48VDC Power Input; Version 2 Hardware; EOT: -40°C to 75°C
LMX-0602-ST-M-V2	6-Port Industrial Light Layer 3 Managed Ethernet Switch, with 4*10/100Tx and 2*100Fx Multi-Mode 2Km, ST Connector, 12~48VDC Power Input; Version 2 Hardware
LMX-0602-ST-M-T-V2	6-Port Industrial Light Layer 3 Managed Ethernet Switch, with 4*10/100Tx and 2*100Fx Multi-Mode 2Km, ST Connector, 12~48VDC Power Input; Version 2 Hardware; EOT: -40°C to 75°C
LMX-0602-ST-S3-V2	6-Port Industrial Light Layer 3 Managed Ethernet Switch, with 4*10/100Tx and 2*100Fx Single-Mode 30Km, ST Connector, 12~48VDC Power Input; Version 2 Hardware
LMX-0602-ST-S3-T-V2	6-Port Industrial Light Layer 3 Managed Ethernet Switch, with 4*10/100Tx and 2*100Fx Single-Mode 30Km, ST Connector, 12~48VDC Power Input; Version 2 Hardware; EOT: -40°C to 75°C

Assured Systems

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