LMX-0500-V2 Series

5-Port Industrial Managed Ethernet Switches with 5*10/100Tx, 12~48VDC Power Input; Version 2 Hardware

Features

▶ **Supports 5*10/100Tx Fast Ethernet Ports**
▶ **Network Redundancy Support: RSTP, and G.8032 ERPS (Recovery Time <50ms)**
▶ **Configuration: Web Console, Telnet, CLI Command**
▶ **Supports IGMP v1/v2, up to 256 Groups**
▶ **Supports QoS (IEEE802.1p) and CoS/ToS**
▶ **Supports IEEE802.1Q VLAN, SNMP v1/v2c**
▶ **System Warning Setting for Automatic Warning through E-Mail**
▶ **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
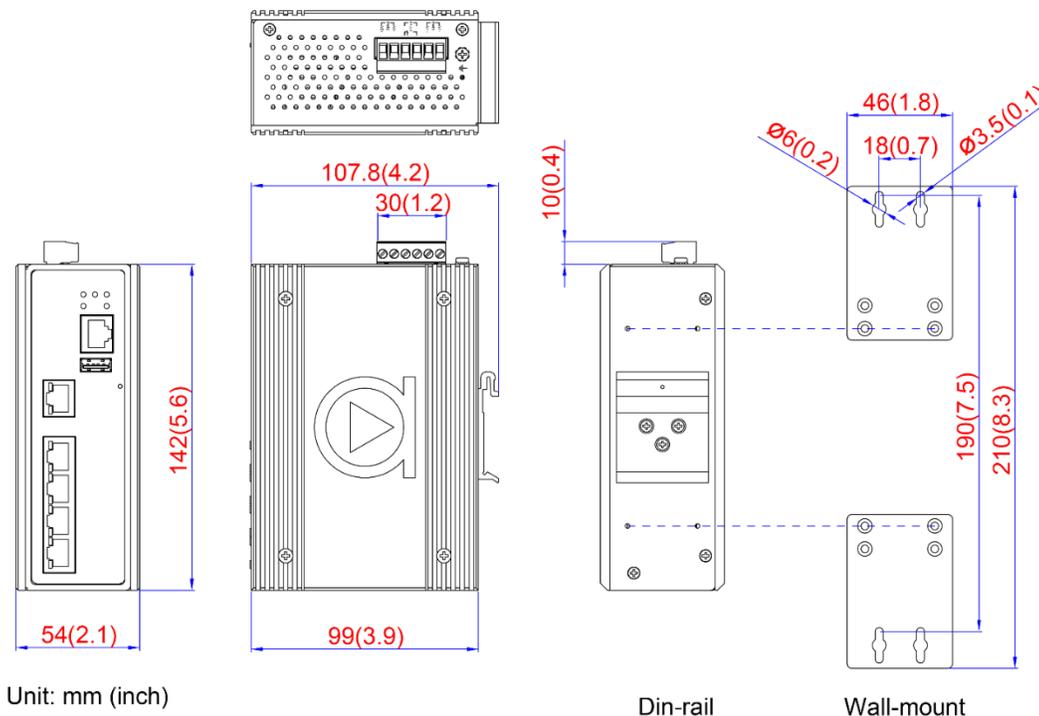▶ **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LMX-0500-V2 series is a 5-port industrial managed Ethernet switch that is embedded with 5*10/100Tx fast Ethernet ports. This series is a fully manageable industrial Ethernet switch pre-loaded with standard Layer 2 network management software, and supports a user friendly web console interface for easy configuration.

The LMX-0500-V2 series is IP30 rated, DIN-rail mountable, and has 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 any industrial networking application within factory automation, ITS, power/utility, water wastewater, and any other outdoor or harsh environment.

Version 2 hardware is compatible with the latest layer 2+ firmware which permits static routes between VLANs.

DIMENSIONS

107.8(4.2)
30(1.2)
142(5.6)
54(2.1)
99(3.9)
10(0.4)

46(1.8)
18(0.7)
Ø6(0.2)
Ø3.5(0.1)
190(7.5)
210(8.3)

Unit: mm (inch)

Din-rail   Wall-mount

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, IGMPv2 snooping, MLD snooping, IGMP filtering, IPMC throttling / filtering leave proxy, DHCP snooping, ARP, MEP, G.8032 v1/v2
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)	Non-blocking
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
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
VLAN Group	4095
IGMP Group	1024

Port Interface

Ethernet Port	5*10/100Base-TX, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
RS232 Serial Console	1*RS232 in RJ45
LED Indicators	System: Power 1, Power 2, Master, Ring, Fault Ethernet Ports: Speed/Link/Active Fixed Fiber: 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)

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions	54 x 142 x 99 mm (W x H x D)
Weight	Unit: 1.9 lbs Shipping: 2.7 lbs
Mounting	DIN-Rail, Wall-mount (Optional)

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
Power Consumption	7.5W

Environmental Limits

Operating Temperature	STD: -10°C to 70°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 EN55022/EN61000-6-4 Class A
EMS	CE EN55024/EN61000-6-2 Class A, IEC61000-4-2,3,4,5,6,8
Free Fall / Shock / Vibration	IEC60068-2-32 / IEC60068-2-27 / IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE
Warranty	5 Years

ORDERING INFO

LMX-0500-V2	5-Port Industrial Managed Ethernet Switches with 5*10/100Tx, 12~48VDC Power Input; Version 2 Hardware
LMX-0500-T-V2	5-Port Industrial Managed Ethernet Switches with 5*10/100Tx, 12~48VDC Power Input; Version 2 Hardware; EOT: -40°C to 75°C