

LMP-0501-XX-24-V2 Series

5-Port Industrial PoE+ Managed Ethernet Switches w/4*10/100Tx (30W/Port) and 1*100Fx Multi-Mode/Single Mode, 12~55VDC Power Input; Version 2 Hardware



Features

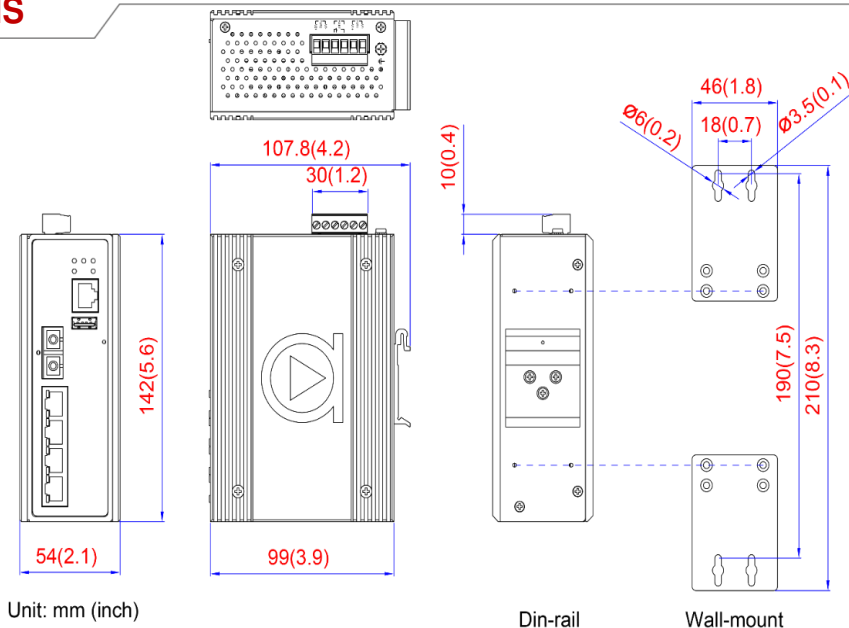
- ▶ Supports 4*10/100Tx IEEE 802.3at/af Compliant with 30W/Port and 1*100Fx Fiber Port
- ▶ Network Redundancy: RSTP/MSTP and TG.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IGMP v1/v2/v3, up to 1024 Groups
- ▶ Supports QoS (IEEE802.1p) and CoS/ToS
- ▶ Supports IEEE802.1Q VLAN, SNMP v1/v2c/v3
- ▶ PoE Ping Alarm Function for PoE Ports Power Recycle
- ▶ Redundant Power Input: 12~55VDC (Voltage Booster)
- ▶ 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' LMP-0501-XX-24-V2 series is a 5-port industrial PoE+ managed Ethernet switch embedded with 4*10/100Tx Ethernet ports that support IEEE802.3at/af for a maximum of 30W/port and 1*100Fx fiber connection. The LMP-0501-XX-24-V2 is a fully manageable Layer 2 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 LMP-0501-XX-24-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		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
L2 Switching		
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
Switch Properties		Dual Image Protection, PING, PING6
Switch Architecture		Back-Plane (Switching Fabric): 1Gbps
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		4*10/100Base-TX, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port		1*100Base-FX SC/ST type connector
RS232 Serial Console		1*RS232 in RJ45
Configuration Backup		1*USB 2.0
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		12~55VDC Redundant Input
Power Connection		1 removable 6-contact terminal block
Relay Contact		24VDC, 1A resistive
Overload Current Protection		Present
Reverse Polarity Protection		Present
PoE Pin Assignment		V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, Mode A)
PoE Power Budget		90W@12VDC 120W@24-55VDC
System 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 EN55032/EN61000-6-4 Class A
EMS		CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
Free Fall / Shock / Vibration		IEC60068-2-32 / IEC60068-2-27 / IEC60068-2-6
Green Certifications		RoHS Compliant FCC, CE
Warranty		5 Years

ORDERING INFO

LMP-0501-M-24-V2	5-Port Industrial PoE+ Managed Ethernet Switches w/4*10/100Tx (30W/Port) and 1*100Fx Multi-Mode 2Km, 12~55VDC Power Input; Version 2 Hardware
LMP-0501-M-24-T-V2	5-Port Industrial PoE+ Managed Ethernet Switches w/4*10/100Tx (30W/Port) and 1*100Fx Multi-Mode 2Km, 12~55VDC Power Input; Version 2 Hardware; EOT: -40°C to 75°C
LMP-0501-S3-24-V2	5-Port Industrial PoE+ Managed Ethernet Switches w/4*10/100Tx (30W/Port) and 1*100Fx Single-Mode 30Km, 12~55VDC Power Input; Version 2 Hardware
LMP-0501-S3-24-T-V2	5-Port Industrial PoE+ Managed Ethernet Switches w/4*10/100Tx (30W/Port) and 1*100Fx Single-Mode 30Km, 12~55VDC Power Input; Version 2 Hardware; EOT: -40°C to 75°C
LMP-0501-ST-M-24-V2	5-Port Industrial PoE+ Managed Ethernet Switches w/4*10/100Tx (30W/Port) and 1*100Fx Multi-Mode 2Km, 12~55VDC Power Input; Version 2 Hardware
LMP-0501-ST-M-24-T-V2	5-Port Industrial PoE+ Managed Ethernet Switches w/4*10/100Tx (30W/Port) and 1*100Fx Multi-Mode 2Km, 12~55VDC Power Input; Version 2 Hardware; EOT: -40°C to 75°C
LMP-0501-ST-S3-24-V2	5-Port Industrial PoE+ Managed Ethernet Switches w/4*10/100Tx (30W/Port) and 1*100Fx Single-Mode 30Km, 12~55VDC Power Input; Version 2 Hardware
LMP-0501-ST-S3-24-T-V2	5-Port Industrial PoE+ Managed Ethernet Switches w/4*10/100Tx (30W/Port) and 1*100Fx Single-Mode 30Km, 12~55VDC Power Input; Version 2 Hardware; EOT: -40°C to 75°C

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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