

# LMP-0501-24 Series

5-Port Industrial PoE+ Managed Ethernet Switch, w/4\*10/100Tx (30W/Port) and 1\*100Fx (SC/ST) Fiber Port, 12~36VDC Power Input



## Features

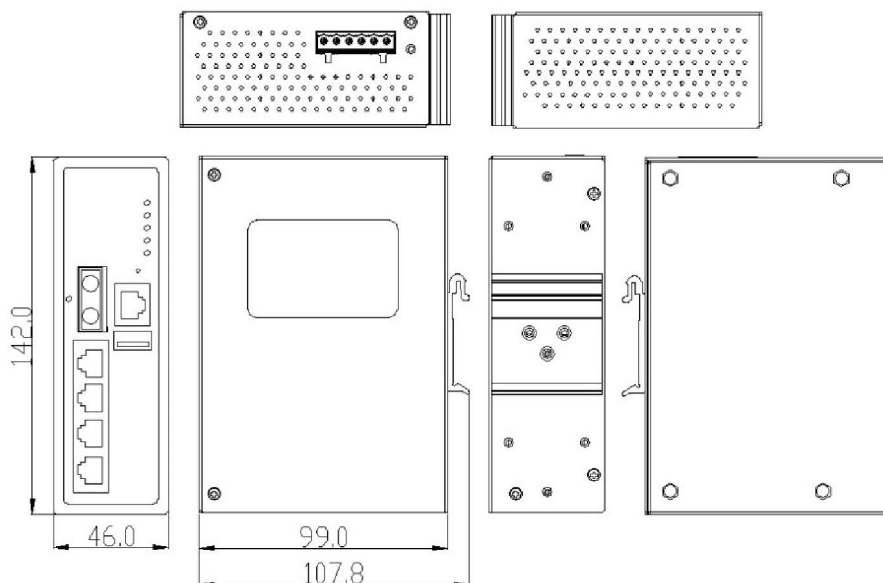
- ▶ Supports 4\*10/100Tx IEEE 802.3at/af Compliant with 30W/Port, and 1\*100Fx (SC/ST) Fiber Port
- ▶ Fiber Supports: Multi-Mode in 2Km; Single-Mode in 30Km
- ▶ Network Redundancy Support: RSTP/MSTP, and TG.8032 ERPS (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2, up to 256 Groups
- ▶ Supports QoS (IEEE802.1p) and CoS/ToS
- ▶ Supports IEEE802.1Q VLAN, SNMP v1/v2c
- ▶ PoE Ping Alarm Function for PoE Ports Power Recycle
- ▶ System Warning Setting for Automatic Warning through E-Mail
- ▶ Redundant Power Input Design: 12~36VDC
- ▶ Housing: Metal IP30 Rated; DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

## INTRODUCTION

Antaira's LMP-0501-24 series is a 5-port industrial PoE+ managed Ethernet switch that is embedded with 4\*10/100Tx Ethernet ports that support IEEE802.3at/af for a maximum of 30 watts per port, and 1\*100Fx (SC or ST connector) fiber port with optional versions for multi-mode (2Km) and single-mode (30Km).

LMP-0501-24 series is a fully manageable industrial Ethernet switch with a pre-loaded Layer 2 network management web console that supports a low voltage redundant power input range from 12~36VDC with a voltage booster. This product 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.

## DIMENSIONS



## SPECIFICATIONS

<b>Technology</b>	
	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3x Flow Control for Full Duplex IEEE 802.3at/af PoE (Power-over-Ethernet) IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) ITU-TG.8032 / Y.1344 ERPS (Ethernet Ring Protection Switch) IEEE 802.1q Virtual LANs (VLAN) IEEE 802.1x Network Authentication IEEE 802.1ad Stacked VLAN, Q-in-Q IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization
<b>Standards</b>	
<b>Switch Properties</b>	
<b>Protocol</b>	CSMA/CD, IGMPv1/v2, SNMPv1/v2, TFTP, SNTP, SMTP, RARP, Syslog
<b>Configuration</b>	Web Console, Telnet, CLI
<b>Transfer Rate</b>	14,880pps for 10Base-T Ethernet port 148,880pps for 100Base-T Fast Ethernet port
<b>Packet Buffer</b>	1 Mbits
<b>MAC Table</b>	8K
<b>Jumbo Frame</b>	-
<b>Flow Control</b>	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
<b>VLAN Group</b>	0~4094
<b>IGMP Group</b>	Up to 256 Groups
<b>Port Interface</b>	
<b>Ethernet RJ45 Port</b>	4*10/100BaseTx (PSE: 30W/Port) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>Fiber Port</b>	1*100Fx (SC or ST type connector); Multi-mode 2Km, Single-mode 30Km
<b>Wavelength</b>	1310nm (Multi or Single Mode)
<b>PoE Port Pin Assignment</b>	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
<b>RS232 Serial Console</b>	1*RS232 in RJ45 connector with console cable, 115.2Kbps, 8, N, 1
<b>Configuration Backup</b>	1*USB 2.0
<b>Protection</b>	
<b>Overload Current</b>	Present
<b>Power Reverse Polarity</b>	Present
<b>CPU Watch Dog</b>	Present
<b>Network Cable</b>	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable. EIA/TIA-568 100-ohm (100m)
<b>Mechanical Characteristics</b>	
<b>LED Indicator</b>	Per Unit: Power 1 & 2 (Green), Fault (Red) PoE: Feeding Power (Green)
<b>Housing</b>	Metal, IP30 rated
<b>Dimensions</b>	46 x 142 x 99 mm
<b>Weight</b>	Unit: 1.5 lbs; Shipping: 2.3 lbs
<b>Mounting</b>	DIN-Rail; Wall-mount (optional)
<b>Power Requirement</b>	
<b>Input Voltage</b>	12~36VDC Redundant Input
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>PoE Power Output</b>	30W per port (Max)
<b>Power Consumption</b>	10 Watts (no PD included); 145 Watts @ 12~36VDC
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	STD: -10° to 70°C EOT: -40° to 75°C
<b>Storage Temperature</b>	-40°~85°C
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Regulatory Approvals</b>	
<b>EMI</b>	FCC Class A
<b>EMS</b>	EN61000-4-2,3,4,5,6,8 EN61000-6-2,4
<b>Free Fall</b>	IEC60068-2-32
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6
<b>Green</b>	RoHS Compliant
<b>Certifications</b>	FCC, CE, UL 61010-1, UL 61010-2-201
<b>Warranty</b>	5 Years

## ORDERING INFO

<b>LMP-0501-M-24</b>	5-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 1* 100Fx Fiber ports, SC connector with Multi-mode in 2Km; 12~36VDC Power Input
<b>LMP-0501-M-24-T</b>	5-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 1* 100Fx Fiber ports, SC connector with Multi-mode in 2Km; 12~36VDC Power Input; EOT -40° to 75°C
<b>LMP-0501-ST-M-24</b>	5-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 1* 100Fx Fiber ports, ST connector with Multi-mode in 2Km; 12~36VDC Power Input
<b>LMP-0501-ST-M-24-T</b>	5-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 1* 100Fx Fiber ports, ST connector with Multi-mode in 2Km; 12~36VDC Power Input; EOT -40° to 75°C
<b>LNP-0501-S3-24</b>	5-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 1* 100Fx Fiber ports, SC connector with Single-mode in 30Km; 12~36VDC Power Input
<b>LMP-0501-S3-24-T</b>	5-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 1* 100Fx Fiber ports, SC connector with Multi-mode in 2Km; 12~36VDC Power Input; EOT -40° to 75°C
<b>LMP-0501-ST-S3-24</b>	5-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 1* 100Fx Fiber ports, ST connector with Single-mode 30Km; 12~36VDC Power Input

**LMP-0501-ST-S3-24-T** 5-Port Industrial PoE+ Managed Ethernet Switch with 4\*10/100Tx (30W/Port) + 1\* 100Fx Fiber ports, ST connector with Single-mode 30Km; 12~36VDC Power Input; EOT -40° to 75°C

**Optional Accessories**

<b>MDR-40-24</b>	40W Industrial DIN-Rail Power Supply, 24VDC
<b>MDR-60-24</b>	60W Industrial DIN-Rail Power Supply, 24VDC
<b>DR-75-24</b>	75W Industrial DIN-Rail Power Supply, 24VDC
<b>MDR-100-24</b>	100W Industrial DIN-Rail Power Supply, 24VDC
<b>DR-120-24</b>	120W Industrial DIN-Rail Power Supply, 24VDC
<b>SDR-240-24</b>	240W Industrial DIN-Rail Power Supply, 24VDC