

# LMP-0601G-SFP Series

**6-Port Industrial PoE+ Gigabit Managed Ethernet Switch, w/ 4\*10/100/1000Tx (30W/Port), 1\*10/100/1000Tx Fast Ethernet, and 1\*100/1000 SFP Slot, 48~55VDC**



## Features

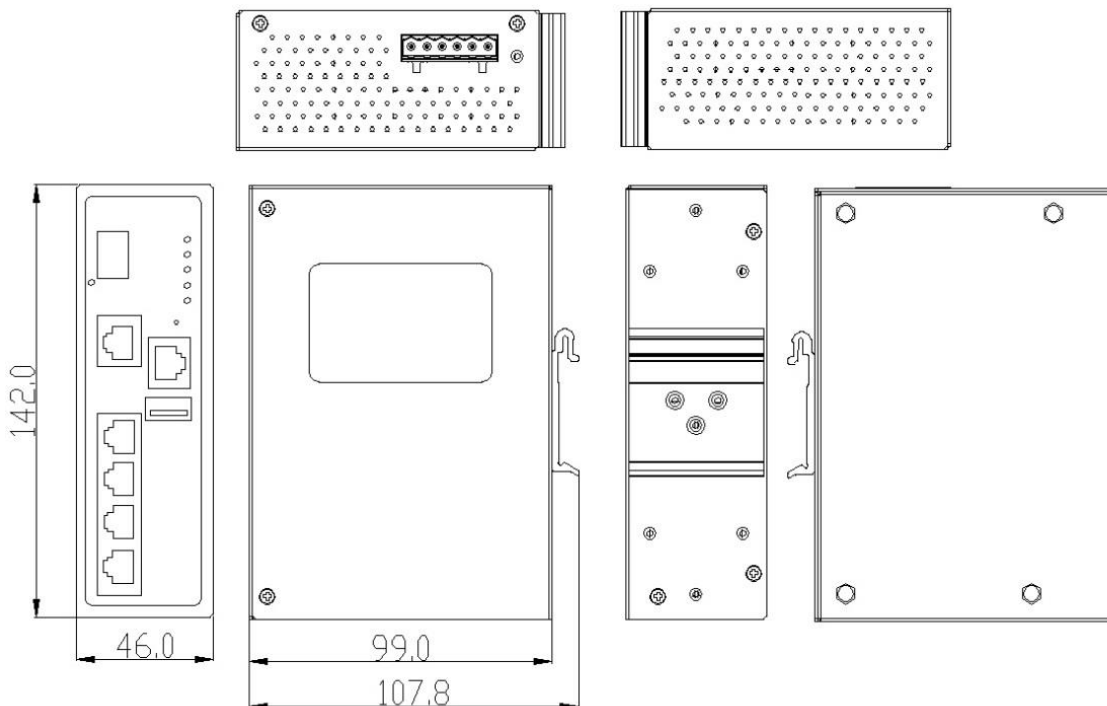
- ▶ Supports 4\*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port, + 1\*10/100/1000Tx, and 1\*100/1000 SFP Slot
- ▶ Network Redundancy Support: RSTP/MSTP, and TG.8032 ERPS (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2, up to 256 Groups
- ▶ Supports QoS (IEEE802.1p) and CoS/ToS
- ▶ Supports IEEE802.1Q VLAN, SNMP v1/v2c
- ▶ System Warning Setting for Automatic Warning through Email
- ▶ Redundant Power Input Design: 48~55VDC
- ▶ Housing: Metal IP 30 Rated; DIN-Rail and Wall Mount Support
- ▶ Operating Temperature - STD: -10~70C & EOT: -40~75C
- ▶ 5-Year Warranty

## INTRODUCTION

**Antaira's LMP-0601G-SFP series** is a 6-port industrial PoE+ gigabit managed Ethernet switch that is embedded with 4\*10/100/1000Tx Ethernet ports that support IEEE802.3at/af for a maximum of 30 watts per port, 1\*10/100/1000Tx Fast Ethernet port, and 1\*100/1000 dual rate SFP slot for fiber connection.

LMP-0601G-SFP 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. 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 802.3ab 1000BaseT IEEE 802.3z 1000Base-X 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 1,488,000pps for Gigabit Ethernet Port
<b>Packet Buffer</b>	1 Mbits
<b>MAC Table</b>	8K
<b>Jumbo Frame</b>	9.6K
<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>	5*10/100/1000BaseTx (30W/Port for Port 1~4 only), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>Fiber Port</b>	1* 100/1000 SFP Slot
<b>Wavelength</b>	Refer to SFP Modules
<b>PoE Port Pin Assignment</b>	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
<b>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 Watchdog</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) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
<b>Mechanical Characteristics</b>	
<b>LED Indicator</b>	Per Unit: Power 1 & 2 (Green), Fault (Red)
<b>Housing</b>	Metal IP30 rated
<b>Dimension</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>	48~55VDC Redundant Input
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>PoE Power Output</b>	25W @ 48VDC (per PoE port); 30W @ 51~55VDC (per PoE port)
<b>Power Consumption</b>	10 Watts (no PD included); 130 Watts (Fully loaded)
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	STD: -10° to 70° C EOT: -40° to 75° C
<b>Storage Temperature</b>	-40°C ~ 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, UL508 (Pending)
<b>Warranty</b>	5 Years

## ORDERING INFO

**LMP-0601G-SFP** 6-Port Industrial PoE+ Gigabit Managed Ethernet Switch with 4\*10/100/1000Tx (30W/Port), 1\*10/100/1000Tx, and 1\* 100/1000 SFP Slot

**LMP-0601G-SFP-T** 6-Port Industrial PoE+ Gigabit Managed Ethernet Switch with 4\*10/100/1000Tx (30W/Port), 1\*10/100/1000Tx, and 1\* 100/1000 SFP Slot; EOT -40° to 75° C

### Optional Accessories

**MDR-60-48** 60W Industrial Din Rail Power Supply, 48VDC

**DR-75-48** 75W Industrial Din Rail Power Supply, 48VDC

**DR-120-48** 120W Industrial Din Rail Power Supply, 48VDC

**MDR-240-48** 240W Industrial Din Rail Power Supply, 48VDC