

LMP-0602 Series

6-Port Industrial PoE+ Managed Ethernet Switches, w/4*10/100Tx (30W/Port), 2*100Fx (SC/ST) Fiber Ports, 48~55VDC Power Input



Features

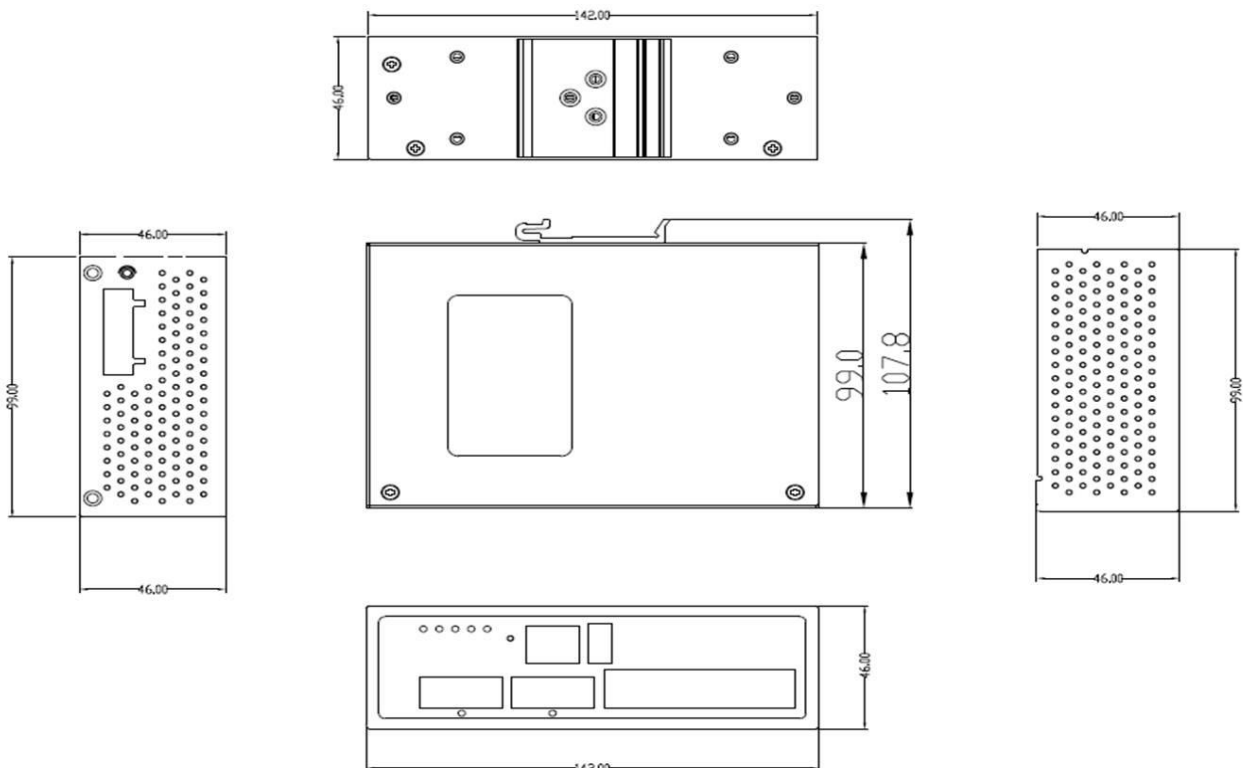
- ▶ Supports 4*10/100Tx IEEE 802.3at/af Compliant with 30W/Port, and 2*100Fx (SC/ST) Fiber Ports
- ▶ Fiber Supports: Multi-Mode in 2Km; Single-Mode in 30Km
- ▶ Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Configuration: Web Console, Serial, CLI Command
- ▶ Supports 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 – 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-0602 series is a 6-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 2*100Fx (SC or ST connector) fiber ports with optional versions for multi-mode (2Km) and single-mode (30Km).

LMP-0602 series is a fully manageable industrial Ethernet switch that supports the standard Layer 2 Ethernet configurable settings with a pre-loaded web console. This product series is IP30 rated and DIN-rail mountable and provides operating temperature range models in STD: -10°C to 70°C and EOT: -40°C to 75°C. It also provides a high EFT and ESD protection for any industrial networking application in factory automation, ITS, power/utility, water wastewater treatment plants, any outdoor or harsh environment.

DIMENSIONS



SPECIFICATIONS

Technology	
	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)
Standards	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
Switch Properties	
Protocol	CSMA/CD,IGMPv1/v2,SNMPv1/v2,TFTP,SNTP,SMTP,RARP, Syslog
Data Process	Store and forward
Transfer Rate	14,880pps for 10Base-T Ethernet port 148,880pps for 100Base-T Fast Ethernet port
Packet Buffer	1 Mbits
MAC Table	8K
Jumbo Frame	-
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
VLAN Group	0 ~ 4094
IGMP Group	Up to 256 Groups
Port Interface	
Ethernet RJ45 Port	4*10/100BaseTx (PSE: 30W/Port) auto negotiation speed, Full/Half duplex mode, and auto MDI connection
Fiber Port	2*100Fx (SC or ST type connector); Multi-mode 2Km, Single-mode 30Km
Wavelength	1310nm (Multi or Single Mode)
PoE Port Pin Assignment	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, 115.2Kbps, 8,N,1
Configuration Backup	1*USB 2.0
Protection	
Overload Current	Present
Power Reverse Polarity	Present
CPU Watch Dog	Present
Network Cable	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)

Mechanical Characteristics	
LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red) PoE: Feeding Power (Green)
Housing	Metal IP30 rated
Dimension	46 x 142 x 99 mm
Weight	Unit: 1.5 lbs; Shipping: 2.3 lbs
Mounting	DIN-Rail; Wall-mount (optional)
Power Requirement	
Input Voltage	48~55VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
PoE Power Output	25W @ 48VDC (per PoE port); 30W @ 51~55VDC (per PoE port)
Power Consumption	10 Watts (no PD included); 130 Watts (Fully loaded)
Environmental Limits	
Operating Temperature	STD: -10° to 70° C EOT: -40° to 75° C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN61000-4-2,3,4,5,6,8, EN61000-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL508 (Pending)
Warranty	5 Years

ORDERING INFO

LMP-0602-M	6-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 2* 100Fx Fiber ports, SC connector with Multi-mode in 2Km
LMP-0602-M-T	6-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 2* 100Fx Fiber ports, SC connector with Multi-mode in 2Km; EOT -40° to 75° C
LMP-0602-ST-M	6-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 2* 100Fx Fiber ports, ST connector with Multi-mode in 2Km
LMP-0602-ST-M-T	6-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 2* 100Fx Fiber ports, ST connector with Multi-mode in 2Km; EOT -40° to 75° C
LMP-0602-S3	6-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 2* 100Fx Fiber ports, SC connector with Single-mode in 30Km
LMP-0602-S3-T	6-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 2* 100Fx Fiber ports, SC connector with Multi-mode in 2Km; EOT -40° to 75° C
LMP-0602-ST-S3	6-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 2* 100Fx Fiber ports, ST connector with Single-mode 30Km
LMP-0602-ST-S3-T	6-Port Industrial PoE+ Managed Ethernet Switch with 4*10/100Tx (30W/Port) + 2* 100Fx Fiber ports, ST connector with Single-mode 30Km; EOT -40° to 75° C
Optional Accessories	
MDR-40-48	40W Industrial DIN-Rail Power Supply, 48VDC
MDR-60-48	60W Industrial DIN-Rail Power Supply, 48VDC
DR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC
MDR-100-48	100W Industrial DIN-Rail Power Supply, 48VDC
DR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC
SDR-240-48	240W Industrial DIN-Rail Power Supply, 48VDC