

# LMP-1202G-SFP Series

12-Port Industrial Gigabit PoE+ Managed Ethernet Switch, with 8\*10/100/1000Tx (30W/Port), 2\*10/100/1000Tx + 2\*100/1000 SFP Slots



## Features

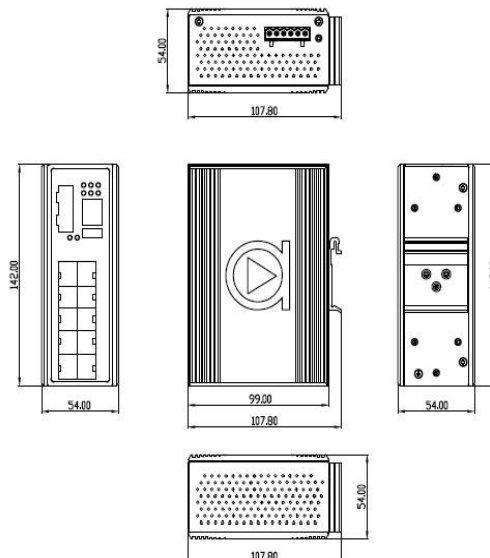
- ▶ Supports 8\*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port, 2\*10/100/1000Tx & 2\*100/1000Fx SFP Fiber Slots
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ IGMP v1/v2 for Multicast Traffic Filtering
- ▶ QoS (IEEE802.1p/1Q), CoS/ToS to Increase Determinism
- ▶ IEEE802.1Q VLAN for Easy Network Planning
- ▶ Enhanced Network Security with IEEE802.1X, SNMP v1/v2c/v3, HTTPS, and SSH/SSL
- ▶ Auto Warning by Exception through E-mail, Relay Output
- ▶ Operating Temp.– STD: -10~70°C, EOT: -40~75°C
- ▶ 5-Year Warranty

## INTRODUCTION

Antaira Technologies' LMP-1202G-SFP series is a 12-port industrial PoE+ managed Ethernet switch is embedded with 8\*10/100/1000Tx Ethernet ports that support IEEE802.3at/af for a maximum of 30W/port, 2\*10/100/1000Tx and 2\*100/1000Fx SFP fiber ports that support either Single or Multi-Mode modules. The LMP-1202G-SFP series 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 ERPS (Ethernet Ring Protection Switch) protocol that has a <50ms network recovery time. The advanced network filtering and security functions, such as, IGMP, VLAN, QoS, SNMP, port lock, RMON, Modbus TCP, and 802.1X/ HTTPS/ SSH/ SSL increase determinism and improve network management for remote SCADA systems or control networks.

The LMP-1202G-SFP 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 within transportation, ITS and any other outdoor or harsh environment.

## DIMENSIONS



## SPECIFICATIONS

Technology	
	IEEE 802.3 10Tx Ethernet
	IEEE 802.3u 100Tx Fast Ethernet
	IEEE 802.3ab 1000Tx Gigabit Ethernet
	IEEE 802.3z Gigabit Fiber
	IEEE 802.3x Flow Control for Full Duplex
	IEEE 802.3ad for Port Trunk with LACP
	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-T G.8032/Y.1344 ERPS (Ethernet Ring Protection Switch) Protocol
	IEEE 802.1Q for VLAN Tagging
	IEEE 802.1x for Network Authentication
	IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization
Standards	
Switch Properties	
Switch Architecture	
	Back-Plane (Switching Fabric): 24.0Gbps IGMPv1/v2, SNMPv1/v2c/v3, TFTP, SNMP, SMTP, RMON, HTTP, HTTPS, Syslog, DHCP Option 66/67/82, SSH/SSL, Modbus/TCP, LLDP, IPv4/IPv6, NAT, DHCP per port, SMTP, Quick ERPS, TLS
Protocol	
	Store-and-Forward
Data Process	
	14,880pps for 10Base-T Ethernet
	148,800pps for 100Base-T Fast Ethernet
	1,488,000pps for Gigabit Ethernet
Transfer Rate	
	4 Mbits
Packet Buffer	
MAC Table	
Jumbo Frame	
	8K
	9.6K
Flow Control	
	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
VLAN Group	
IGMP Group	
	0 ~ 4094
	Up to 256 Groups
Port Interface	
Ethernet Port	
	8*10/100/1000Tx (PSE: 30W/Port), 2*10/100/1000Tx auto negotiation speed, Full/Half duplex mode, and auto MDI connection
Fiber Port	
	2*100/1000 Dual Rate SFP Slots
Wavelength	
	Dependent on Fiber type and Distance
RS232 Serial Console	
	1*RS232 in RJ45 connector with console cable, 115.2bps, 8,N,1
Configuration Backup	
	1*USB 2.0
Protection	
Overload Current	
	Present
Power Reverse Polarity	
	Present (the unit will not be on, if power reverse)
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)
	1000BaseTX: UTP/STP Cat.5/5E 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
Dimensions	
	54 x 142 x 99 mm
Weight	
	Unit: 2.5 lbs Shipping: 3.0 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	
	15 Watts (no PD included); 255 Watts (Fully Loaded)
Environmental Limits	
Operating Temperature	
	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	
	-40°~85°C
Ambient Relative Humidity	
	5 to 95%, (Non-condensing)
Regulatory Approvals	
EMI	
	FCC Class A
EMS	
	EN6100-4-2,3,4,5,6,8 EN6100-6-2,4
Free Fall Shock	
	IEC60068-2-32 IEC60068-2-27
Vibration	
	IEC60068-2-6
Green	
	RoHS Compliant
Certifications	
	FCC, CE, UL 61010-1, 61010-2-201, Class 1 Division 2NEMA TS2, ATEX
Warranty	
	5 Years

## ORDERING INFO

LMP-1202G-SFP	12-Port Industrial Gigabit PoE+ Managed Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 2*10/100/1000Tx and 2*100/1000 SFP Slots
LMP-1202G-SFP-T	12-Port Industrial Gigabit PoE+ Managed Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 2*10/100/1000Tx and 2*100/1000 SFP Slots; EOT: -40°~75°C

### Optional Accessories

DR-120-48	120W Industrial Single Output DIN-Rail Power Supply – 48VDC / 2.5 Amps
SDR-240-48	240W Industrial Slim High-Efficiency Single Output DIN-Rail Power Supply – 48VDC / 5.0 Amps
SFP-M-T	1 Gigabit Fiber SFP Transceiver, Multi-Mode 550M / LC / 850nm, -40°~85°C
SFP-S10-T	1 Gigabit Fiber SFP Transceiver, Single Mode 10KM / LC / 1310nm, -40°~85°C
DIN-RACK-2U	DIN-Rail to 19" Rack Mount Adapter for all DIN-Rail Mountable Products, 2U Height

## 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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