

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

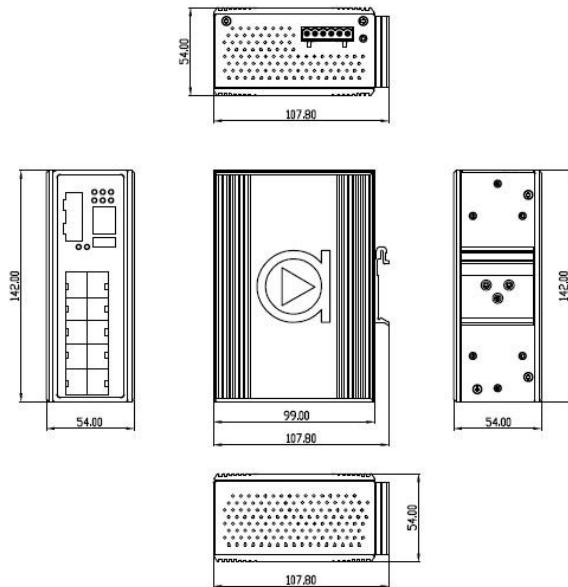
- ▶ Supports 8*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port, 2*10/100/1000Tx & 2*100/1000Fx SFP Fiber Slots
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and 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		Protection
Standards	IEEE 802.3 10Tx Ethernet	Overload Current Present
	IEEE 802.3u 100Tx Fast Ethernet	Power Reverse Polarity Present (the unit will not be on, if power reverse)
	IEEE 802.3ab 1000Tx Gigabit Ethernet	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable;
	IEEE 802.3z Gigabit Fiber	100Base-TX: 2-pair UTP/STP Cat. 5 cable. EIA/TIA- 568 100-ohm (100m)
	IEEE 802.3x Flow Control for Full Duplex	1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
	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)	
Switch Properties		Mechanical Characteristics
Switch Architecture	ITU-T G.8032/Y.1344 ERPS (Ethernet Ring Protection Switch) Protocol	LED Indicator Per Unit: Power 1 & 2 (Green), Fault (Red)
	IEEE 802.1Q for VLAN Tagging	PoE Feeding Power (Green)
Protocol	IEEE 802.1x for Network Authentication	Housing Metal, IP30 rated
	IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization	Dimensions 54 x 142 x 99 mm
Data Process		Weight Unit: 2.5 lbs
		Shipping: 3.0 lbs
Transfer Rate	Store-and-Forward	Mounting DIN-Rail; Wall-mount (optional)
	14,880pps for 10Base-T Ethernet	
Packet Buffer	148,800pps for 100Base-T Fast Ethernet	Power Requirement
	1,488,000pps for Gigabit Ethernet	Input Voltage 48~55VDC Redundant Input
MAC Table	4 Mbits	Power Connection 1 removable 6-contact terminal block
	8K	PoE Power Output 25W @ 48VDC (per PoE port); 30W @ 51~55VDC (per PoE port)
Jumbo Frame	9.6K	Power Consumption 15 Watts (no PD included); 255 Watts (Fully Loaded)
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Environmental Limits
		Operating Temperature STD: -10° to 70°C
VLAN Group	0 ~ 4094	EOT: -40° to 75°C
	Up to 256 Groups	Storage Temperature -40°~85°C
IGMP Group		Ambient Relative Humidity 5 to 95%, (Non-condensing)
Port Interface		Regulatory Approvals
		EMI FCC Class A
Ethernet Port	8*10/100/1000Tx (PSE: 30W/Port), 2*10/100/1000Tx auto negotiation speed, Full/Half duplex mode, and auto MDI connection	EMS EN6100-4-2,3,4,5,6,8
		EN6100-6-2,4
Fiber Port	2*100/1000 Dual Rate SFP Slots	Free Fall IEC60068-2-32
		Shock IEC60068-2-27
Wavelength	Dependent on Fiber type and Distance	Vibration IEC60068-2-6
		Green RoHS Compliant
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, 115.2bps, 8,N,1	Certifications FCC, CE, UL 61010-1, 61010-2-201, NEMA TS2, ATEX
Configuration Backup	1*USB 2.0	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