

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

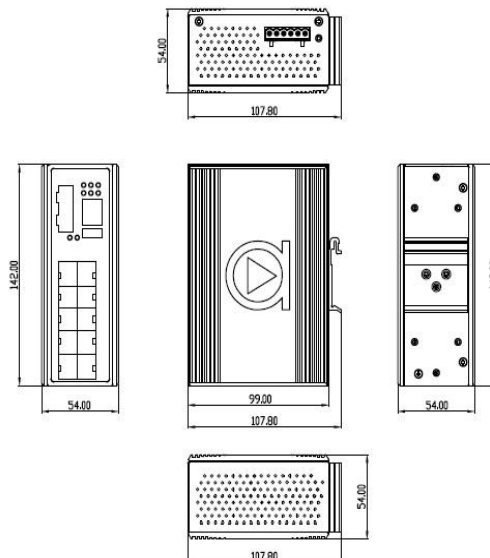
- ▶ Supports 8*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port, 2*10/100/1000Tx & 2*100/1000Fx SFP Fiber Slots
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and 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	Network Cable	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	Mechanical Characteristics	LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red) PoE: Feeding Power (Green)	
	IEEE 802.3at/af PoE (Power-over-Ethernet)		Housing	Metal, IP30 rated	
	IEEE 802.1d STP (Spanning Tree Protocol)		Dimensions	54 x 142 x 99 mm	
	IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)		Weight	Unit: 2.5 lbs Shipping: 3.0 lbs	
	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)		Mounting	DIN-Rail; Wall-mount (optional)	
	ITU-T G.8032/Y.1344 ERPS (Ethernet Ring Protection Switch) Protocol		Power Requirement	Input Voltage	48~55VDC Redundant Input
	IEEE 802.1Q for VLAN Tagging			Power Connection	1 removable 6-contact terminal block
	IEEE 802.1x for Network Authentication		PoE Power Output	25W @ 48VDC (per PoE port); 30W @ 51~55VDC (per PoE port)	
	IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization		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		
		Vibration	IEC60068-2-27		
		Green	RoHS Compliant		
		Certifications	FCC, CE, UL 61010-1, 61010-2-201, Class 1 Division 2NEMA TS2, ATEX		
		Warranty	5 Years		
Switch Properties					
Switch Architecture	Back-Plane (Switching Fabric): 24.0Gbps IGMPv1/v2, SNMPv1/v2c/v3, TFTP, SNMP, SMTP, RMON, HTTP, HTTPS, Telnet, 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	8K				
MAC Table	9.6K				
Jumbo Frame	IEEE 802.3x for full duplex mode, back pressure for half duplex mode				
Flow Control	0 ~ 4094				
VLAN Group	Up to 256 Groups				
IGMP Group					
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				

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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