

LMP-1204G-SFP Series

12-Port Industrial Gigabit PoE+ Managed Ethernet Switch, with 8*10/100/1000Tx (30W/Port) and 4*100/1000 SFP Slots, 48~55VDC Power Input



Features

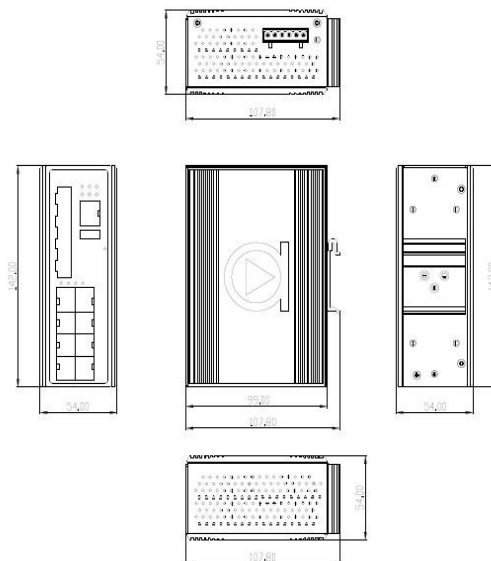
- ▶ Supports 8*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port and 4*100/1000Fx SFP Fiber Slots
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ PoE Ping Alarm Function for PoE Ports Power Recycle
- ▶ 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-1204G-SFP series is a 12-port industrial PoE+ managed Ethernet switch that is embedded with 8*10/100/1000Tx Ethernet ports that support IEEE802.3at/af for a maximum of 30W/port, and 4*100/1000Fx SFP fiber ports that support either Single or Multi-Mode modules. The LMP-1204G-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, RMON, Modbus TCP, and 802.1X/ HTTPS/ SSH/ SSL increase determinism and improve network management for remote SCADA systems or control networks.

The LMP-1204G-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	
	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		
	IEEE 802.3z Gigabit Fiber		
	IEEE 802.3x Flow Control for Full Duplex		
	IEEE 802.3ad for Port Trunk with LACP		
	IEEE 802.1d STP (Spanning Tree Protocol)	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)
Standards	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		
Switch Properties		Mechanical Characteristics	
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	LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red) PoE: Feeding Power (Green)
Protocol		Housing	Metal IP30 rated
Data Process	Store-and-Forward	Dimensions	54 x 142 x 99 mm
Transfer Rate	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet 1,488,000pps for Gigabit Ethernet	Weight	Unit: 2.5 lbs Shipping: 3.0 lbs
Packet Buffer	4 Mbits	Mounting	DIN-Rail; Wall-mount (Optional)
MAC Table	8K	Power Requirement	
Jumbo Frame	9.6K	Input Voltage	48~55VDC Redundant Input
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Power Connection	1 removable 6-contact terminal block
VLAN Group	0 ~ 4094	PoE Power Output	Maximum 30W/port
IGMP Group	Up to 256 Groups	Power Consumption	15 Watts (no PD included) 195 Watts (Fully loaded)
Port Interface		Environmental Limits	
Ethernet Port	8*10/100/1000Tx auto negotiation speed, Full/Half duplex mode, and auto MDI connection	Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Fiber Port	4*100/1000 Dual Rate SFP Slots	Storage Temperature	-40°C ~ 85°C
Wavelength	Dependent on Fiber type and Distance	Ambient Relative Humidity	5 to 95%, (Non-condensing)
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, 115.2bps, 8,N,1	Regulatory Approvals	
Configuration Backup	1*USB 2.0	EMI	FCC Class A
		EMS	EN6100-4-2,3,4,5,6,8 EN6100-6-2,4
		Free Fall	IEC60068-2-32
		Shock	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-1204G-SFP	12-Port Industrial Gigabit PoE+ Managed Ethernet Switch, w/8*10/100/1000Tx + 4*100/1000 SFP Slots
LMP-1204G-SFP-T	12-Port Industrial Gigabit PoE+ Managed Ethernet Switch, w/8*10/100/1000Tx + 4*100/1000 SFP Slots; EOT: -40° to 75°C

Optional Accessories

MDR-100-48	100 Watt Industrial Slim Single Output DIN-Rail Power Supply – 48VDC / 2.0 Amps
DR-120-48	120 Watt Industrial Single Output DIN-Rail Power Supply – 48VDC / 2.5 Amps
SDR-240-48	240 Watt 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°C~85°C
SFP-S10-T	1 Gigabit Fiber SFP Transceiver, Single Mode 10KM / LC / 1310nm, -40°C~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.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660