

LMX-1204G-SFP Series

12-Port Industrial Gigabit Managed Ethernet Switch, with 8*10/100/1000Tx and 4*100/1000Fx, 12~48VDC Power Input



Features

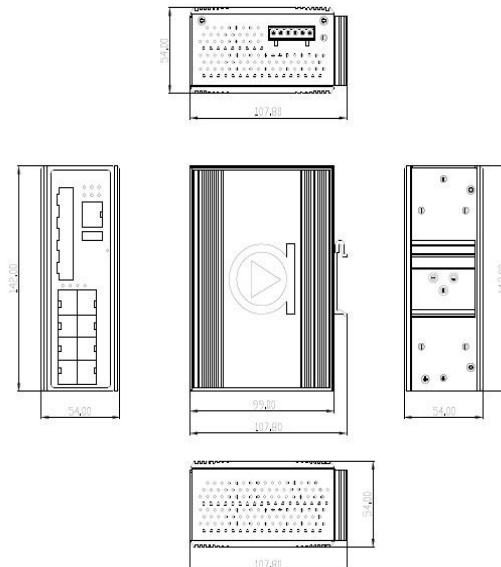
- ▶ Supports 8*10/100/1000Tx and 4*100/1000Fx Dual Rate SFP Fiber Slots
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ Configuration: Web Console, Telnet, 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' LMX-1204G-SFP series is a 12-port industrial managed Ethernet switch that is embedded with 8*10/100/1000Tx Ethernet ports and 4*100/1000Fx SFP fiber ports that support either Single or Multi-Mode modules. The LMX-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 LMX-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 IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3z Gigabit Fiber	Power Reverse Polarity	Present (the unit will not be on, if power reverse)
	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/E 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	Mechanical Characteristics	
	IEEE 802.1Q for VLAN Tagging	LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red)
	IEEE 802.1x for Network Authentication IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization	Housing	Metal IP30 rated
Switch Properties		Dimensions	54 x 142 x 99 mm
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	Weight	Unit: 2.5 lbs Shipping: 3.0 lbs
Protocol		Mounting	DIN-Rail; Wall-mount (Optional)
Data Process	Store-and-Forward	Power Requirement	
Transfer Rate	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet 1,488,000pps for Gigabit Ethernet	Input Voltage	12~48VDC Redundant Input
Packet Buffer	4 Mbits	Power Connection	1 removable 6-contact terminal block
MAC Table	8K	Power Consumption	15 Watts
Jumbo Frame	9.6K	Environmental Limits	
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
VLAN Group	0 ~ 4094	Storage Temperature	-40°C ~ 85°C
IGMP Group	Up to 256 Groups	Ambient Relative Humidity	5 to 95%, (Non-condensing)
Port Interface		Regulatory Approvals	
Ethernet Port	8*10/100/1000Tx auto negotiation speed, Full/Half duplex mode, and auto MDI connection	EMI	FCC Class A
Fiber Port	4*100/1000 Dual Rate SFP Slots	EMS	EN6100-4-2,3,4,5,6,8 EN6100-6-2,4
Wavelength	Dependent on Fiber type and Distance	Free Fall	IEC60068-2-32
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, 115.2bps,8,N,1	Shock	IEC60068-2-27
Configuration Backup	1*USB 2.0	Vibration	IEC60068-2-6
		Green	RoHS Compliant
		Certifications	FCC, CE, UL 61010-1, 61010-2-201, Class 1 Division 2 NEMA TS2, ATEX
		Warranty	5 Years

ORDERING INFO

LMX-1204G-SFP	12-Port Industrial Gigabit Managed Ethernet Switch, w/10*10/100/1000Tx + 2*100/1000 SFP Slots
LMX-1204G-SFP-T	12-Port Industrial Gigabit Managed Ethernet Switch, w/10*10/100/1000Tx + 2*100/1000 SFP Slots; EOT: -40° to 75°C

Optional Accessories

MDR-20-24	20 Watt Industrial Slim Single Output DIN-Rail Power Supply – 24VDC / 1.00 Amp
MDR-40-48	40 Watt Industrial Slim Single Output DIN-Rail Power Supply – 48VDC / 0.83 Amp
DR-75-48	75 Watt Industrial Single Output DIN-Rail Power Supply – 48VDC / 1.6 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

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