

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

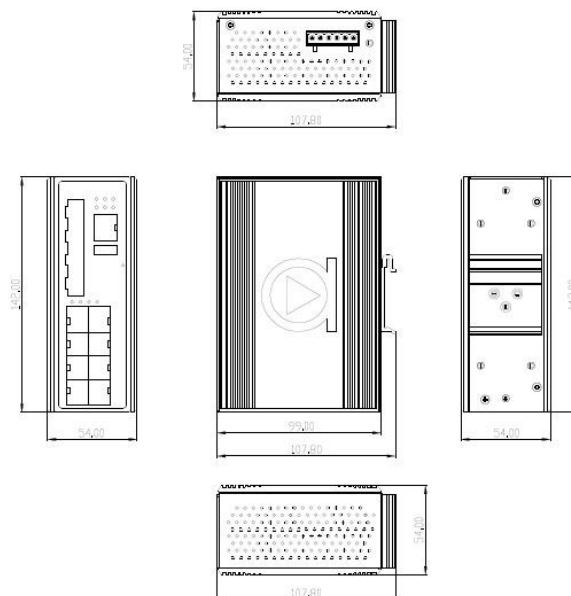
- ▶ Supports 8*10/100/1000Tx and 4*100/1000Fx Dual Rate SFP Fiber Slots
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ Configuration: Web Console, Telnet, 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	
Standards	IEEE 802.3 10Tx Ethernet
	IEEE 802.3u 100Tx Fast Ethernet IEEE
	802.3ab 1000Tx Gigabit Ethernet IEEE 802.3z
	Gigabit Fiber
Standards	IEEE 802.3x Flow Control for Full Duplex IEEE
	802.3ad for Port Trunk with LACP IEEE 802.1d
	STP (Spanning Tree Protocol)
	IEEE 802.1w RSTP (Rapid Spanning Tree
Standards	Protocol) IEEE 802.1s MSTP (Multiple
	Spanning Tree Protocol) ITU-T G.8032/Y.1344
	ERPS (Ethernet Ring Protection Switch)
	Protocol
Standards	IEEE 802.1Q for VLAN Tagging
	IEEE 802.1x for Network Authentication IEEE
	802.1p QoS/CoS Protocol for Traffic
	Prioritization
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 24.0Gbps
Protocol	IGMPv1/v2, SNMPv1/v2c/v3, TFTP, SNTP,
	SMTP, RMON, HTTP, HTTPS, Telnet, Syslog,
	DHCP Option 66/67/82, SSH/SSL,
	Modbus/TCP, LLDP, IPv4/IPv6, NAT, DHCP
Data Process	per port, SMTP, Quick ERPS, TLS
	Store-and-Forward
	14,880pps for 10Base-T Ethernet
	148,800pps for 100Base-T Fast Ethernet
Transfer Rate	1,488,000pps for Gigabit Ethernet
Packet Buffer	4 Mbits
MAC Table	8K
Jumbo Frame	9.6K
Flow Control	IEEE 802.3x for full duplex mode, back
VLAN Group	pressure for half duplex mode
IGMP Group	0 ~ 4094
Port Interface	Up to 256 Groups
Ethernet Port	8*10/100/1000Tx auto negotiation speed,
	Full/Half duplex mode, and auto MDI
	connection
Fiber Port	4*100/1000 Dual Rate SFP Slots
Wavelength	Dependent on Fiber type and Distance
RS232 Serial Console	1*RS232 in RJ45 connector with console cable,
Configuration Backup	115.2bps,8,N,1
Protection	1*USB 2.0
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:
Mechanical Characteristics	UTP/STP Cat.5/5E cable; EIA/TIA-
	568 100-ohm (100m)
LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red)
Housing	Metal IP30 rated
Dimensions	54 x 142 x 99 mm
Weight	Unit: 2.5 lbs
Mounting	Shipping: 3.0 lbs
	DIN-Rail; Wall-mount (Optional)
Power Requirement	
Input Voltage	12~48VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Power Consumption	15 Watts
Environmental Limits	
Operating Temperature	STD: -10° to 70°C
Storage Temperature	EOT: -40° to 75°C
	-40°C ~ 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
Free Fall	EN6100-6-2,4
	IEC60068-2-32
	IEC60068-2-27
	IEC60068-2-6
Shock	RoHS Compliant
Vibration	FCC, CE, UL 61010-1, 61010-2-201,
Green	Class 1 Division 2 NEMA TS2, ATEX
Certifications	5 Years
Warranty	

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