

LMX-1002G-SFP Series

Features

10-Port Industrial Gigabit Managed Ethernet Switch, with 8*10/100/1000Tx and 2*100/1000 SFP Slots



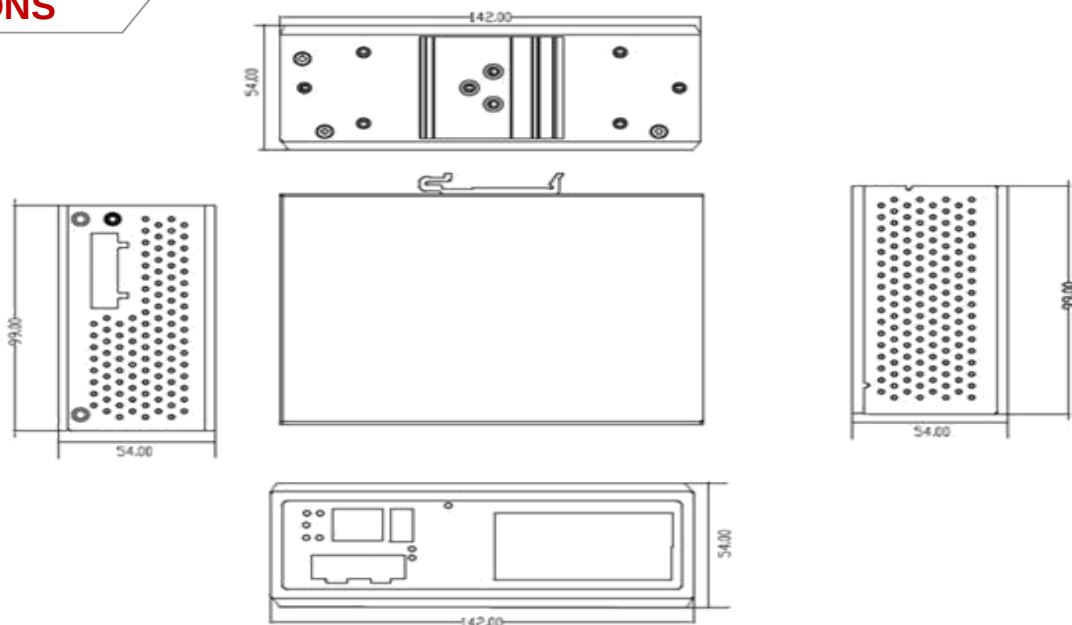
- ▶ Supports 8*10/100/1000Tx Gigabit Ethernet Ports and 2*100/1000 Dual Rate SFP Slots for Fiber Connection
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ 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
- ▶ Support RMON Function for Efficient Network Monitoring
- ▶ Support Port Mirroring for Online Diagnostic
- ▶ 5-Year Warranty

INTRODUCTION

Antaira's LMX-1002G-SFP series is a 10-port industrial gigabit managed Ethernet switch that is embedded with eight gigabit Ethernet ports and two dual rate (100/1000) SFP slots for fiber connection. It supports Jumbo Frame up to 9.6K for huge Ethernet data packet transmissions. It 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-1002G-SFP series is a compact, IP30 rated, and DIN-rail or wall 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, 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
	IEEE 802.3ab 1000Tx Gigabit Ethernet	CPU Watchdog	Present
	IEEE 802.3z Gigabit Fiber	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)
	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 802.1d STP (Spanning Tree Protocol)	Mechanical Characteristics	
	IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)	LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red)
	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)	Housing	Metal IP30 rated
	ITU-T G.8032/Y.1344 ERPS (Ethernet Ring Protection Switch) Protocol	Dimension	54 x 142 x 99 mm
Protocol	IEEE 802.1Q for VLAN Tagging	Weight	Unit: 2.2 lbs.; Shipping: 3.0 lbs.
	IEEE 802.1x for Network Authentication	Mounting	DIN-Rail; Wall-Mount (optional)
Protocol	IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization	Power Requirement	
	IGMPv1/v2, SNMPv1/v2c/v3, TFTP, 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	Input Voltage	12~48VDC Redundant Input
Switch Properties		Power Connection	1 removable 6-contact terminal block
Switch Architecture	Back-Plane (Switching Fabric): 20.0Gbps	Power Consumption	15 Watts
Configuration	Web Console, Telnet, CLI	Environmental Limits	
Processing Type	Store and Forward	Operating Temperature	STD: -10 to 70°C EOT: -40 to 75°C
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Storage Temperature	-40°C ~ 85°C
Transfer Rate	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet 1,488,000pps for Gigabit Ethernet	Ambient Relative Humidity	5 to 95%, (non-condensing)
Packet Buffer	4 Mbits	Regulatory Approvals	
Jumbo Frame	9.6K	EMI	FCC Class A
MAC Table Size	8K	EMS	IEC61000-4-2,3,4,5,6,8 IEC61000-6-2,4
VLAN Group	1 ~ 4094	Free Fall	IEC60068-2-32
IGMP Group	Up to 256 Groups	Shock	IEC60068-2-27
Port Interface		Vibration	IEC60068-2-6
Ethernet RJ45 Port	8*10/100/1000BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Green	RoHS Compliant
Fiber Port	2* 100/1000 SFP Slot	Certifications	FCC, CE, ATEX
Wavelength	Refer to SFP Modules		UL 61010-1, 61010-2-201 Class 1 Division 2
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, 115.2Kbps, 8,N,1	Warranty	NEMA TS2
Configuration Backup	1*USB 2.0		5 Years

ORDERING INFO

LMX-1002G-SFP	10-Port Industrial Gigabit Managed Ethernet Switch with 8*10/100/1000Tx + 2*100/1000 SFP Slots
LMX-1002G-SFP-T	10-Port Industrial Gigabit Managed Ethernet Switch with 8*10/100/1000Tx + 2*100/1000 SFP Slots; EOT -40° to 75°C
Optional Accessories	
MDR-40-48	40W Industrial Din Rail Power Supply (48VDC)
MDR-60-48	60W Industrial Din Rail Power Supply (48VDC)
DR-75-48	75W Industrial Din Rail Power Supply (48VDC)
DR-120-48	120W Industrial Din Rail Power Supply (48VDC)
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