

LMX-0800 Series

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



Features

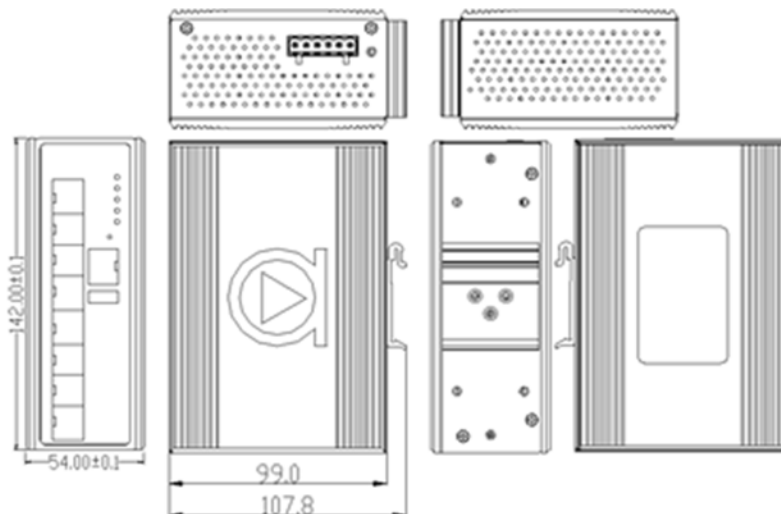
- ▶ Supports 8*10/100/1000Tx RJ45 Ports
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ IGMP v1/v2 for Multicast Traffic Filtering
- ▶ System Warning Setting for Automatic Warning through E-mail
- ▶ 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 Temperature Range: STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LMX-0800G series is an 8-port industrial Gigabit managed Ethernet switch that is embedded with 8*10/100/1000Tx Ethernet ports. The LMX-0800G 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 LMX-0800G 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 Protection	Present
	IEEE 802.3u 100Tx Fast Ethernet	Power Reverse Polarity	Present
	IEEE 802.3x Flow Control for Full Duplex	CPU Watchdog	Present
	IEEE 802.3ad for Port Trunk with LACP	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 802.1d STP (Spanning Tree Protocol)		1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
	IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)	Mechanical Characteristics	
	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)	LED Indicators	Per Unit: Power 1 & 2 (Green), Fault (Green/Red)
Switch Properties		Housing	Metal, IP30 rated
Protocol	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	Dimension	54 x 142 x 99 mm
	Back-Plane (Switching Fabric): 16.0Gbps	Weight	Unit: 2.4 lbs Shipping: 2.9 lbs
Configuration	Web Console, Telnet, CLI	Mounting	DIN-Rail; Wall-mount (optional)
Processing Type	Store and Forward	Power Requirement	
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Input Voltage	12~48VDC Redundant Input
Transfer Rate	14,880pps for 10Base-T Ethernet	Power Connection	1 removable 6-contact terminal block
	148,800pps for 100Base-T Fast Ethernet	Power Consumption	15 Watts
Packet Buffer	4 Mbits	Environmental Limits	
Jumbo Frame	9.6K	Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
MAC Table Size	8K	Storage Temperature	-40°~85°C
VLAN Group	1 ~ 4094	Ambient Relative Humidity	5 to 95%, (non-condensing)
IGMP Group	Up to 256 Group	Regulatory Approvals	
Port Interface		EMI	FCC Class A
Ethernet Port	8*10/100BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	EMS	EN61000-4-2,3,4,5,6,8 EN61000-6-2,4
	1*RS232 in RJ45 connector with console cable, 115.2Kbps, 8,N,1	Free Fall	IEC60068-2-32
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, 115.2Kbps, 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, UL 61010-2-201
		Warranty	5 Years

ORDERING INFO

LMX-0800G	8-Port Industrial Gigabit Managed Ethernet Switch, with 8*10/100/1000Tx Ports; 12~48VDC Power Input
LMX-0800G-T	8-Port Industrial Gigabit Managed Ethernet Switch, with 8*10/100/1000Tx Ports; 12~48VDC Power Input; EOT: -40° to 75°C
Optional Accessories	
MDR-60-24	60W Industrial Din Rail Power Supply, 24VDC
MDR-60-48	60W Industrial Din Rail Power Supply, 48VDC
DR-75-48	75W Industrial Din Rail Power Supply, 48VDC
DIN-RACK-2U	DIN-Rail to 19" Rack Mount Adapter for all DIN-Rail Mountable Products, 2U Height