

LMX-0800 Series

8-Port Industrial Managed Ethernet Switch, with 8*10/100Tx Ports



Features

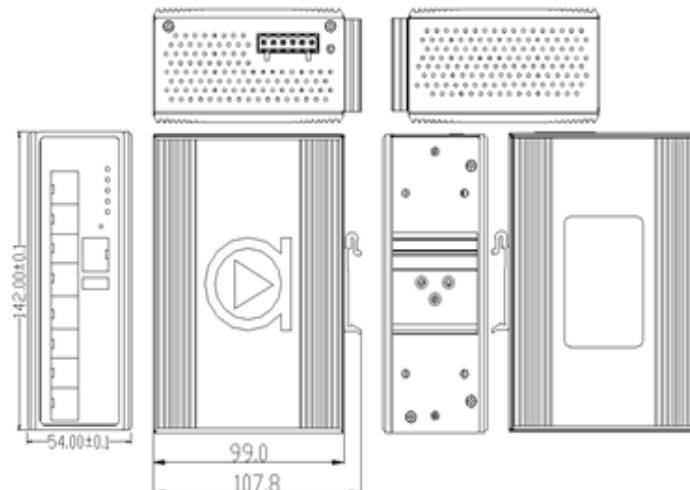
- ▶ Supports 8*10/100Tx RJ45 Ports
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ IGMP v1/v2 for 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-0800 series is an 8-port industrial managed Ethernet switch that is embedded with 8*10/100Tx Ethernet ports. The LMX-0800 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-0800 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 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		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)	Network Cable	1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
	IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)		
Standards	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)	Mechanical Characteristics	
	ITU-T G.8032/Y.1344 ERPS (Ethernet Ring Protection Switch) Protocol	LED Indicators	Per Unit: Power 1 & 2 (Green), Fault (Green/Red)
	IEEE 802.1Q for VLAN Tagging	Housing	Metal, IP30 rated
	IEEE 802.1x for Network Authentication	Dimension	54 x 142 x 99 mm
	IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization	Weight	Unit: 2.4 lbs Shipping: 2.9 lbs
Switch Properties		Mounting	DIN-Rail; Wall-mount (optional)
	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	Power Requirement	
Protocol	Web Console, Telnet, CLI	Input Voltage	12~48VDC Redundant Input
Configuration	Store and Forward	Power Connection	1 removable 6-contact terminal block
Processing Type	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Power Consumption	15 Watts
Flow Control	14,880pps for 10Base-T Ethernet	Environmental Limits	
Transfer Rate	148,800pps for 100Base-T Fast Ethernet	Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Packet Buffer	4 Mbits	Storage Temperature	-40°~85°C
Jumbo Frame	-	Ambient Relative Humidity	5 to 95%, (non-condensing)
MAC Table Size	8K	Regulatory Approvals	
VLAN Group	0 ~ 4094	EMI	FCC Class A
IGMP Group	Up to 256 Group	EMS	EN61000-4-2,3,4,5,6,8 EN61000-6-2,4
Port Interface		Free Fall	IEC60068-2-32
	8*10/100BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI connection	Shock	IEC60068-2-27
Ethernet Port	1*RS232 in RJ45 connector with console cable, 115.2Kbps, 8,N,1	Vibration	IEC60068-2-6
RS232 Serial Console	1*USB 2.0	Green	RoHS Compliant
Configuration Backup		Certifications	FCC, CE, UL 61010-1, UL 61010-2-201
		Warranty	5 Years

ORDERING INFO

LMX-0800	8-Port Industrial Managed Ethernet Switch, with 8*10/100Tx Ports
LMX-0800-T	8-Port Industrial Managed Ethernet Switch, with 8*10/100Tx Ports; 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

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