

LMX-0802 Series

8-Port Industrial Managed Ethernet Switches, w/6*10/100Tx, 2*100Fx, 12~48VDC Power Input



Features

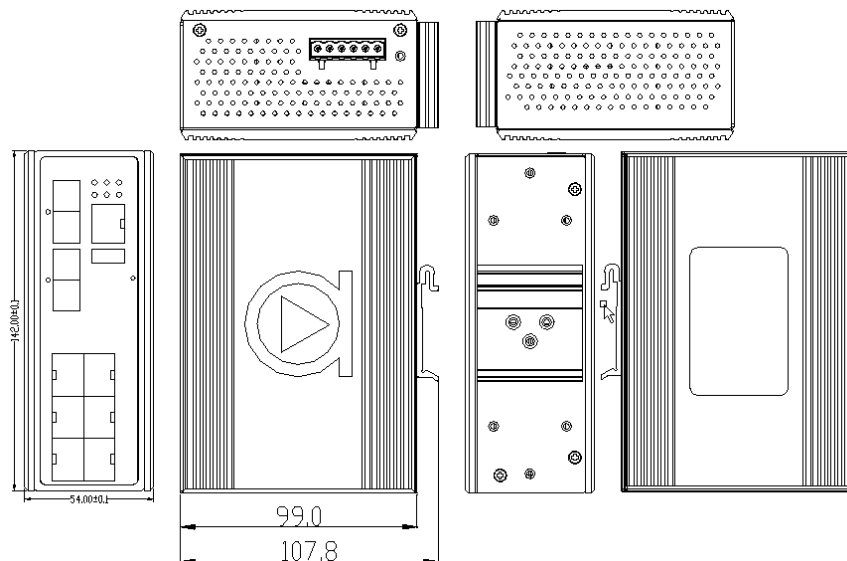
- ▶ Supports 6*10/100Tx and 2*100Fx (SC/ST Connectors in Multi or Single Mode Fiber)
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ Configuration: Web 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 Temp -STD: -10~70°C, EOT: -40~75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LMX-0802 series is an 8-port industrial managed Ethernet switch that is embedded with 6*10/100Tx Ethernet ports and 2*100Fx fiber ports that support SC or ST connections in either Single or Multi-Mode fiber. The LMX-0802 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-0802 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	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)
Protocol	IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)		
	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)	Mechanical Characteristics	
	ITU-T G.8032/Y.1344 ERPS (Ethernet Ring Protection Switch) Protocol	LED Indicator	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
Switch Properties	IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization	Weight	Unit: 2.4 lbs.; Shipping: 2.9 lbs.
	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	Mounting	DIN-Rail; Wall-Mount (optional)
		Power Requirement	
		Input Voltage	12~48VDC Redundant Input
		Power Connection	1 removable 6-contact terminal block
Configuration	Web Console, Telnet, CLI	Power Consumption	15 Watts
Processing Type	Store and Forward	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
Transfer Rate	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet	Storage Temperature	-40°C ~ 85°C
Packet Buffer	4 Mbits	Ambient Relative Humidity	5 to 95%, (non-condensing)
Jumbo Frame	-	Regulatory Approvals	
MAC Table Size	8K	EMI	FCC Class A
VLAN Group	1 ~ 4094	EMS	IEC61000-4-2,3,4,5,6,8 IEC61000-6-2,4
IGMP Group	Up to 256 Groups	Free Fall	IEC60068-2-32
Port Interface		Shock	IEC60068-2-27
Ethernet RJ45 Port	6*10/100BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI connection	Vibration	IEC60068-2-6
Fiber Ports	2*100Fx SC or ST in Single or Multi-Mode	Green	RoHS Compliant
Wavelength	Dependent on Fiber type and Distance	Certifications	FCC, CE, UL 61010-1, UL 61010-2-201
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, 115.2Kbps, 8,N,1	Warranty	5 Years
Configuration Backup	1*USB 2.0		

ORDERING INFO

LMX-0802-M	8-Port Industrial PoE+ Managed Ethernet Switch with 6*10/100Tx + 2*100Fx MM SC Fiber Ports
LMX-0802-M-T	8-Port Industrial PoE+ Managed Ethernet Switch with 6*10/100Tx + 2*100Fx MM SC Fiber Ports ; EOT: -40° to 75°C
LMX-0802-ST-M	8-Port Industrial PoE+ Managed Ethernet Switch with 6*10/100Tx + 2*100Fx MM ST Fiber Ports
LMX-0802-ST-M-T	8-Port Industrial PoE+ Managed Ethernet Switch with 6*10/100Tx + 2*100Fx MM ST Fiber Ports ; EOT: -40° to 75°C
LMX-0802-S3	8-Port Industrial PoE+ Managed Ethernet Switch with 6*10/100Tx + 2*100Fx SM SC Fiber Ports
LMX-0802-S3-T	8-Port Industrial PoE+ Managed Ethernet Switch with 6*10/100Tx + 2*100Fx SM SC Fiber Ports ; EOT: -40° to 75°C
LMX-0802-ST-S3	8-Port Industrial PoE+ Managed Ethernet Switch with 6*10/100Tx + 2*100Fx SM ST Fiber Ports
LMX-0802-ST-S3-T	8-Port Industrial PoE+ Managed Ethernet Switch with 6*10/100Tx + 2*100Fx SM ST Fiber Ports ; EOT: -40° to 75°C
Optional Accessories	
DR-75-48	75W Industrial Din Rail Power Supply (48VDC)
DR-120-48	120W Industrial Din Rail Power Supply (48VDC)
SDR-240-48	240W 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