

entaira®

LMX-0800 Series

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





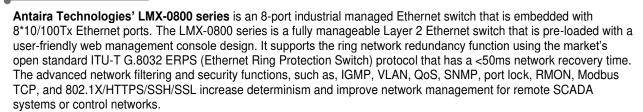




Features

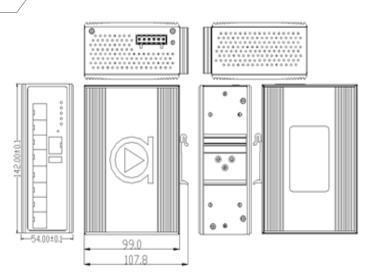
- ► Supports 8*10/100Tx RJ45 Ports
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ► Supports IPv4/IPv6, and DHCP Option 66/67/82
- Supports Modbus/TCP Protocol for Device Management and Monitoring
- ► Configuration: Web Console, Telnet, CLI Command
- ► IGMP v1/v2 for Multicast Traffic Filtering
- System Warning Setting for Automatic Warning through E-
- 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



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



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SPECIFICATIONS



Technology	
Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet 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 Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) ITU-T G.8032/Y.1344 ERPS (Ethernet Ring Protection Switch) Protocol IEEE 802.1Q for VLAN Tagging IEEE 802.1x for Network Authentication IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization
Switch Properties	
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 per port, SMTP, Quick ERPS, TLS
Configuration	Web Console, Telnet, CLI
Processing Type	Store and Forward
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
Transfer Rate	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet
Packet Buffer	4 Mbits
Jumbo Frame	-
MAC Table Size	8K
VLAN Group	0 ~ 4094
IGMP Group	Up to 256 Group
Port Interface	
Ethernet Port	8*10/100BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI connection
RS232 Serial	1*RS232 in RJ45 connector with console cable,
Console	115.2Kbps, 8,N,1
Configuration Backup	1*USB 2.0

Protection		
Overload Current Protection	Present	
Power Reverse Polarity	Present	
CPU Watchdog	Present	
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: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)	
Mechanical Characteristics		
LED Indicators	Per Unit: Power 1 & 2 (Green), Fault (Green/Red)	
Housing	Metal, IP30 rated	
Dimension	54 x 142 x 99 mm	
Weight	Unit: 2.4 lbs Shipping: 2.9 lbs	
Mounting	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 EOT: -40° to 75°C	
Storage Temperature	-40°~85°C	
Ambient Relative Humidity	5 to 95%, (non-condensing)	
Regulatory Approvals		
EMI	FCC Class A	
EMS	EN61000-4-2,3,4,5,6,8 EN61000-6-2,4	
Free Fall	IEC60068-2-32	
Shock	IEC60068-2-27	
Vibration Green	IEC60068-2-6 RoHS Compliant	
Certifications	FCC, CE, UL 61010-1, UL 61010-2-201	
Warranty	5 Years	
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ORDERING INFO



LMX-0800	8-Port Industrial Managed Ethernet Switch, with 8°10/1001x Ports	
LMX-0800-T	8-Port Industrial Managed Ethernet Switch, with 8*10/100Tx Ports; EOT: -40° to 75°C	
Optional Accessor	ies	
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-RACK-2U DIN-Rail to 19" Rack Mount Adapter for all DIN-Rail Mountable Products, 2U Height	

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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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