

LMX-0602 Series

Features

6-Port Industrial Managed Ethernet Switches, w/ 4*10/100Tx and 2*100Fx SC or ST Fiber Connectors; Multi-Mode 2Km, Single-Mode 30Km



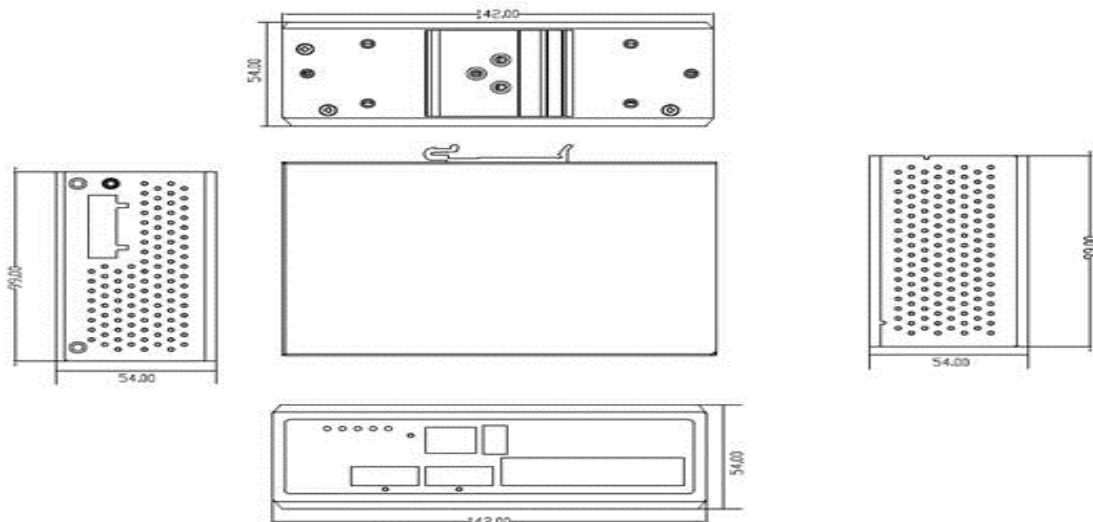
- ▶ 4*10/100Tx RJ45 Ports and 2*100Fx SC or ST Fiber Ports; Multi-Mode 2Km, or Single-Mode 30Km
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ Configuration: 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
- ▶ Port Lock Function for Unauthorized Access Based on MAC Address Blocking
- ▶ 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-0602 series is a 6-port industrial managed Ethernet switch that is embedded with 4*10/100Tx fast Ethernet ports and 2*100Fx SC or ST type Fiber connectors to support either multi-mode (2Km) or single-mode (30Km). 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, 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-0602 series is 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	
	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet and 100BaseFx 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
Standards	
	IGMPv1/v2, SNMPv1/v2c/v3, TFTP, SMTP, RMON, HTTP, HTTPS, Telnet, Syslog, DHCP Option 66/67/82, SSH/SSL, Modbus/TCP, LLDP, IPv4/IPv6
Protocol	
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 10.0Gbps
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	1 Mbits
Jumbo Frame	-
MAC Table Size	8K
VLAN Group	1 ~ 4094
IGMP Group	Up to 256 Groups
Port Interface	
Ethernet RJ45 Port	4*10/100BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	2*100F _x (SC/ST); Multi-mode 2Km, Single-mode 30Km
Wavelength	1310nm
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, 115.2Kbps, 8,N,1
Configuration Backup	1*USB 2.0

Protection	
Overload Current	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)
Mechanical Characteristics	
LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red)
Housing	Metal IP30 rated
Dimension	54 x 142 x 99 mm
Weight	Unit: 1.9lbs.; Shipping: 2.7 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	10 Watts
Environmental Limits	
Operating Temperature	STD: -10 to 70°C EOT: -40 to 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	IEC61000-4-2,3,4,5,6,8 IEC61000-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 508 (Pending)
Warranty	5 Years

ORDERING INFO

LMX-0602-M	6-Port Industrial Managed Ethernet Switch with 4*10/100Tx + 2*100F _x Fiber ports, SC connector w/Multi-mode 2Km
LMX-0602-M-T	6-Port Industrial Managed Ethernet Switch with 4*10/100Tx + 2*100F _x Fiber ports, SC connector w/Multi-mode 2Km; EOT -40° to 75° C
LMX-0602-ST-M	6-Port Industrial Managed Ethernet Switch with 4*10/100Tx + 2*100F _x Fiber ports, ST connector w/Multi-mode 2Km
LMX-0602-ST-M-T	6-Port Industrial Managed Ethernet Switch with 4*10/100Tx + 2*100F _x Fiber ports, ST connector w/Multi-mode 2Km; EOT -40° to 75° C
LMX-0602-S3	6-Port Industrial Managed Ethernet Switch with 4*10/100Tx + 2*100F _x Fiber ports, SC connector w/Single-mode 30Km
LMX-0602-S3-T	6-Port Industrial Managed Ethernet Switch with 4*10/100Tx + 2*100F _x Fiber ports, SC connector w/ Single-mode 30Km ; EOT -40° to 75° C
LMX-0602-ST-S3	6-Port Industrial Managed Ethernet Switch with 4*10/100Tx + 2*100F _x Fiber ports, ST connector w/ Single-mode 30Km
LMX-0602-ST-S3-T	6-Port Industrial Managed Ethernet Switch with 4*10/100Tx + 2*100F _x Fiber ports, ST connector w/ Single-mode 30Km; EOT -40° to 75° C

Optional Accessories

MDR-10-24	10W Industrial Din Rail Power Supply (24VDC)
MDR-20-24	20W Industrial Din Rail Power Supply (24VDC)
MDR-40-48	40W Industrial Din Rail Power Supply (48VDC)
MDR-60-48	600W Industrial Din Rail Power Supply (48VDC)
DIN-RAIL-10	35mm Steel DIN-Rail Track - 10 Inches Long
DIN-RACK-2U	Din-Rail to 19" Rack Mount Adapter for all Din-Rail Mountable Products, 2U Height