

LMX-0602 Series

6-Port Industrial Managed Ethernet Switch, with 4*10/100Tx and 2*100Fx SC or ST Fiber Connectors



Features

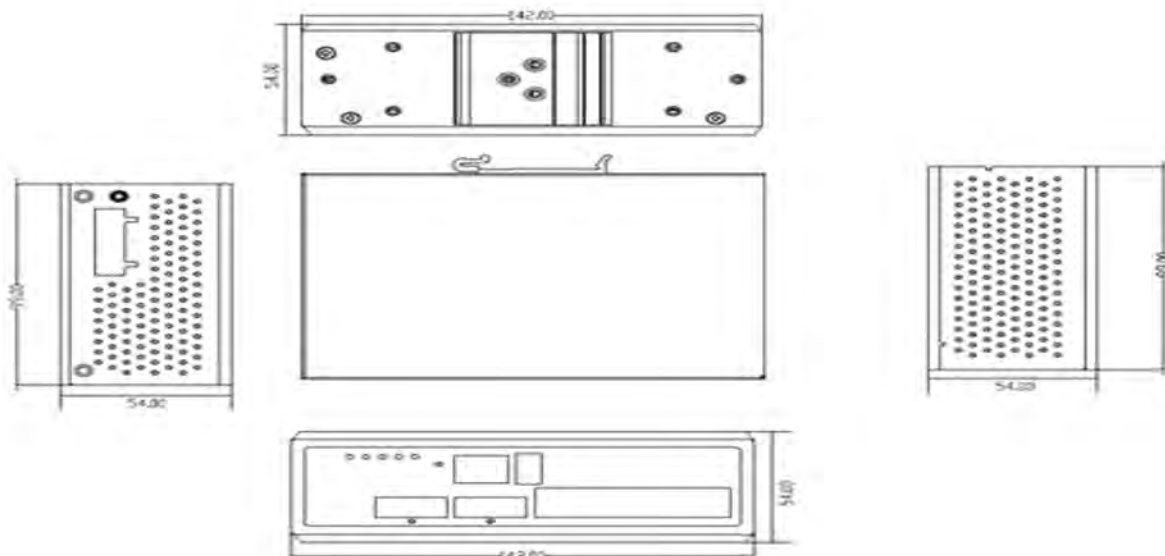
- ▶ 4*10/100Tx RJ45 Ports and 2*100Fx SC or ST Fiber Ports; Multi-Mode 2Km, or Single-Mode 30Km
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ Configuration: 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
- ▶ 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		Protection	
Standards	IEEE 802.3 10Tx Ethernet	Overload Current	Present
	IEEE 802.3u 100Tx Fast Ethernet and 100BaseFx	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)		
Protocol	IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)	Mechanical Characteristics	
	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)	LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red)
	ITU-T G.8032/Y.1344 ERPS (Ethernet Ring Protection Switch) Protocol	Housing	Metal IP30 rated
	IEEE 802.1Q for VLAN Tagging	Dimension	54 x 142 x 99 mm
	IEEE 802.1x for Network Authentication	Weight	Unit: 1.9lbs.; Shipping: 2.7 lbs.
Switch Properties	IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization	Mounting	DIN-Rail; Wall-Mount (optional)
	IGMPv1/v2, SNMPv1/v2c/v3, TFTP, SMTP, RMON, HTTP, HTTPS, Telnet, Syslog, DHCP Option 66/67/82, SSH/SSL, Modbus/TCP, LLDP, IPv4/IPv6	Power Requirement	
		Input Voltage	12~48VDC Redundant Input
		Power Connection	1 removable 6-contact terminal block
		Power Consumption	10 Watts
Switch Architecture	Back-Plane (Switching Fabric): 10.0Gbps	Environmental Limits	
Configuration	Web Console, Telnet, CLI	Operating Temperature	STD: -10 to 70°C EOT: -40 to 75°C
Processing Type	Store and Forward	Storage Temperature	-40°C ~ 85°C
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Ambient Relative Humidity	5 to 95%, (non-condensing)
Transfer Rate	14,880pps for 10Base-T Ethernet	Regulatory Approvals	
Packet Buffer	1 Mbits	EMI	FCC Class A
Jumbo Frame	-	EMS	IEC61000-4-2,3,4,5,6,8 IEC61000-6-2,4
MAC Table Size	8K	Free Fall	IEC60068-2-32
VLAN Group	1 ~ 4094	Shock	IEC60068-2-27
IGMP Group	Up to 256 Groups	Vibration	IEC60068-2-6
Port Interface		Green	RoHS Compliant
Ethernet RJ45 Port	4*10/100BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Certifications	FCC, CE, UL 61010-1, UL 61010-2-201
Fiber Port	2*100Fx (SC/ST); Multi-mode 2Km, Single-mode 30Km	Warranty	5 Years
Wavelength	1310nm		
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, 115.2Kbps, 8,N,1		
Configuration Backup	1*USB 2.0		

ORDERING INFO

LMX-0602-M	6-Port Industrial Managed Ethernet Switch with 4*10/100Tx + 2*100Fx Fiber ports, SC connector w/Multi-mode 2Km
LMX-0602-M-T	6-Port Industrial Managed Ethernet Switch with 4*10/100Tx + 2*100Fx 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*100Fx Fiber ports, ST connector w/Multi-mode 2Km
LMX-0602-ST-M-T	6-Port Industrial Managed Ethernet Switch with 4*10/100Tx + 2*100Fx 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*100Fx Fiber ports, SC connector w/Single-mode 30Km
LMX-0602-S3-T	6-Port Industrial Managed Ethernet Switch with 4*10/100Tx + 2*100Fx 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*100Fx Fiber ports, ST connector w/ Single-mode 30Km
LMX-0602-ST-S3-T	6-Port Industrial Managed Ethernet Switch with 4*10/100Tx + 2*100Fx 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