LMX-0601G-SFP Series

6-Port Industrial Gigabit Managed Ethernet Switches, w/ 5*10/100/1000Tx , 1*100/1000 SFP Slot, 12~48DC Power Input



Features

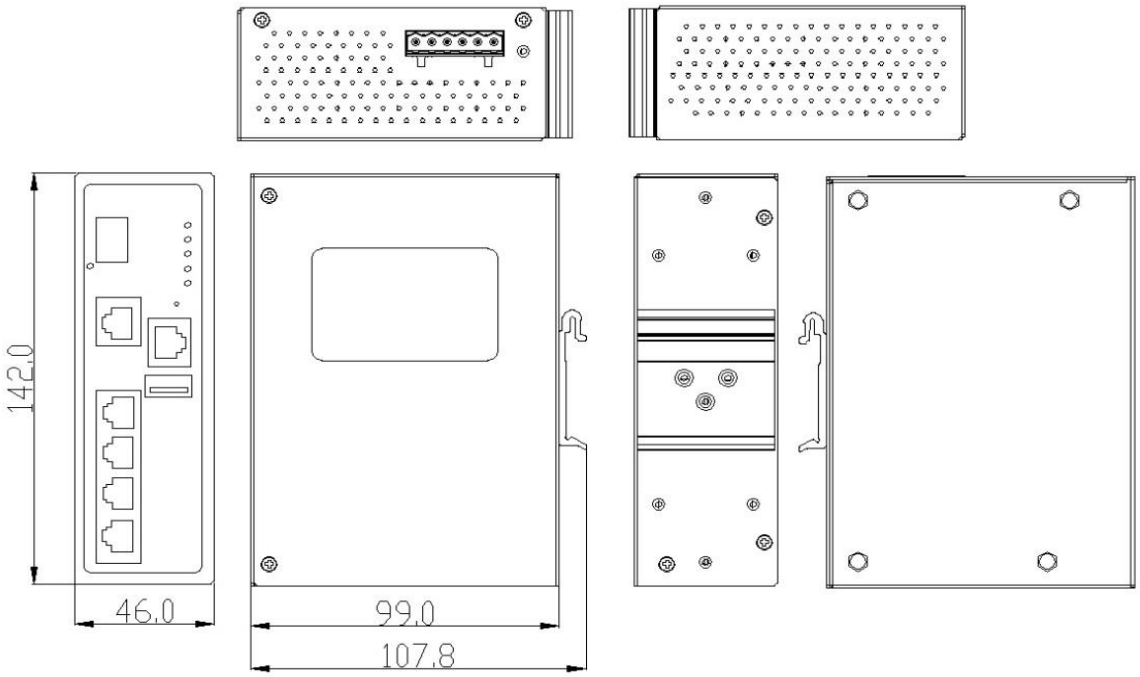
- Supports 5*10/100/1000Tx Fast Ethernet ports and 1*100/1000 SFP Slot
- Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- Configuration: Web Console, Telnet, CLI Command
- Supports IGMP v1/v2, up to 256 Groups
- Supports QoS (IEEE802.1p) and CoS/ToS
- Supports IEEE802.1Q VLAN, SNMP v1/v2c
- System Warning Setting for Automatic Warning through E-Mail
- Redundant Power Input Design – 12~48VDC
- Housing: Metal IP 30 Rated; DIN-Rail and Wall Mount Support
- Operating Temperature - STD: -10~70C & EOT: -40~75C
- 5-Year Warranty

INTRODUCTION

Antaira's LMX-0601G-SFP series is a 6-port industrial managed Ethernet switch that is embedded with five gigabit Ethernet ports and one dual rate (100/1000) SFP slots for fiber connection. This series is a fully manageable industrial Ethernet switch pre-loaded with standard Layer 2 network management software, and supports a user friendly web console interface for easy configuration.

LMX-0601G-SFP series is IP30 rated, DIN-rail mountable, and has 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 any industrial networking application within factory automation, ITS, power/utility, water wastewater, and any other outdoor or harsh environment.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X IEEE 802.3x Flow Control for Full Duplex IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) ITU-TG.8032 / Y.1344 ERPS (Ethernet Ring Protection Switch) IEEE 802.1q Virtual LANs (VLAN) IEEE 802.1x Network Authentication IEEE 802.1ad Stacked VLAN, Q-in-Q IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization
Switch Properties	
Protocol	CSMA/CD,IGMPv1/v2,SNMPv1/v2,TFTP,SNTP,SMTP,RARP, Syslog
Configuration	Web Console, Telnet, CLI
Transfer Rate	14,880pps for 10Base-T Ethernet port 148,8800pps for 100Base-T Fast Ethernet port 1,488,000pps for Gigabit Ethernet Port
Packet Buffer	1 Mbits
MAC Table	8K
Jumbo Frame	9.6K
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
VLAN Group	0 ~ 4094
IGMP Group	Up to 256 Groups
Port Interface	
Ethernet RJ45 Port	5*10/100/1000BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	1* 100/1000 SFP Slot
Wavelength	Refer to SFP Modules
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) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
Mechanical Characteristics	
LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red)
Housing	Metal IP30 rated
Dimension	46 x 142 x 99 mm
Weight	Unit: 1.5 lbs.; Shipping: 2.3 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	EN61000-4-2,3,4,5,6,8, EN61000-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL508 (Pending)
Warranty	5 Years

ORDERING INFO

LMX-0601G-SFP	6-Port Industrial Gigabit Managed Ethernet Switch with 5*10/100/1000Tx + 1* 100/1000 SFP Slot
LMX-0601G-SFP-T	6-Port Industrial Gigabit Managed Ethernet Switch with 5*10/100/1000Tx + 1* 100/1000 SFP Slot ; EOT -40° to 75° C
Optional Accessories	
MDR-10-12	10W Industrial Din Rail Power Supply, 12VDC
MDR-20-24	20W Industrial Din Rail Power Supply, 24VDC
MDR-40-48	40W Industrial Din Rail Power Supply, 48VDC
MDR-60-48	60W Industrial Din Rail Power Supply, 48VDC