

LMP-1002G-10G-SFP

10-Port Industrial PoE+ Light Layer 3 Managed Ethernet Switch, with 8*10/100/1000Tx (30W/Port) and 2*1G/10G SFP+ Slots



Features

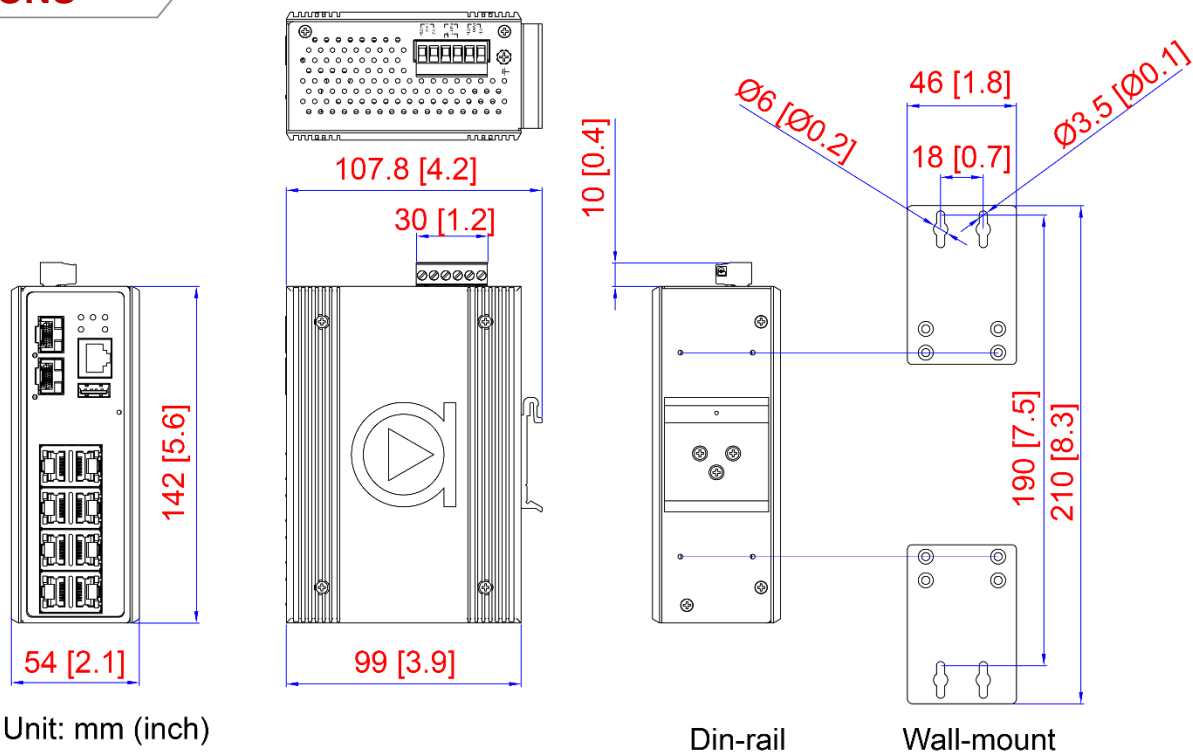
- ▶ Supports 8*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port
- ▶ Supports 2*1G/10G SFP+ Slots
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ IGMP v1/v2 for Multicast Traffic Filtering
- ▶ IEEE802.1Q VLAN for Easy Network Planning
- ▶ Power Input: 48-55VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ IP30 Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ Operating Temperature Range - STD: -40° to 60°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LMP-1002G-10G-SFP is a 10-port industrial gigabit managed Ethernet switch that is embedded with eight PoE+ gigabit Ethernet ports and two dual rates (1G/10G) SFP+ slots for fiber connection. This is a fully manageable industrial Ethernet switch pre-loaded with standard light layer 3 network management software. It supports jumbo frame and wide bandwidth for data transmission and has sufficient port counts for edge-level connectivity solutions.

The LMP-1002G-10G-SFP has a compact form factor design with an IP30 rating, DIN-rail mounting, and standard operating temperature support from -40°C to 60°C. It also provides high EFT and ESD protection for any industrial networking application within factory automation, ITS, power/utility, water/wastewater, or any other outdoor or harsh environment. The two 10 gig SFP+ ports deliver high bandwidth support to applications requiring greater speeds of connectivity.

DIMENSIONS



SPECIFICATIONS

Technology	
	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3ae 10 Gigabit Ethernet IEEE 802.3af/at Power over Ethernet IEEE 802.3x Flow Control IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)
Standards	
	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) ITU-T G.8032 / Y.1344 ERPS v1/v2(Ethernet Ring Protection Switch) IEEE 802.1Q Virtual Local Area Network (VLAN) IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization IEEE 802.1X Network Authentication IEEE 802.1AB Link Layer Discovery Protocol (LLDP) IEEE 802.3ad Link Aggregation (LACP)
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 56Gbps IPv4/IPv6, SNMP v1/v2c/v3, LLDP, LLDP-MED, HTTP, HTTPS, SSHv2 telnet, DHCP client, DHCPv6 client, DHCP server, Port Mirror, DNS client/proxy, IP based Access Filter, ICMPv6, syslog, Time Zone /Daylight Saving, NTP client, RMON, sFlow, Loop detection, Console Port, Power Lost Warning, Relay Trigger
Protocols	
Processing Type	Store and Forward
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode 14,880pps for Ethernet Port
Transfer Rate	148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port 14,880,000pps for 10 Gigabit Ethernet Port
Packet Buffer	8Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	16K
VLAN Group	4095
IGMP Group	1024
Port Interface	
Ethernet Port	8*10/100/1000BaseTx (30W/Port) Auto Negotiation Speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	2*1G/10G SFP+ slots
Wavelength	Depends on SFP modules
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, baud rate 115.2Kbps, 8, N, 1
Configuration Backup	1*USB 2.0

Protection	
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present
Network Cable	
	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000Base-TX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
Mechanical Characteristics	
Housing	Metal, IP30 Protection
Dimensions	54 x 142 x 99 mm
Weight	Unit: 2.29lbs Shipping: 2.95lbs
Mounting	DIN-Rail, Wall-mount (Optional)
Power Requirement	
Input Voltage	48-55VDC Redundant Power Inputs
Power Connection	1 Removable 6-Contact Terminal Block
Power Consumption	15.5W
Environmental Limits	
Operating Temperature	STD: -40°C to 60°C
Storage Temperature	-40°C to 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 61010-1, 2-201 (Pending)
Warranty	5 Years

ORDERING INFO

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