

# LMP-1002G-10G-SFP

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



## Features

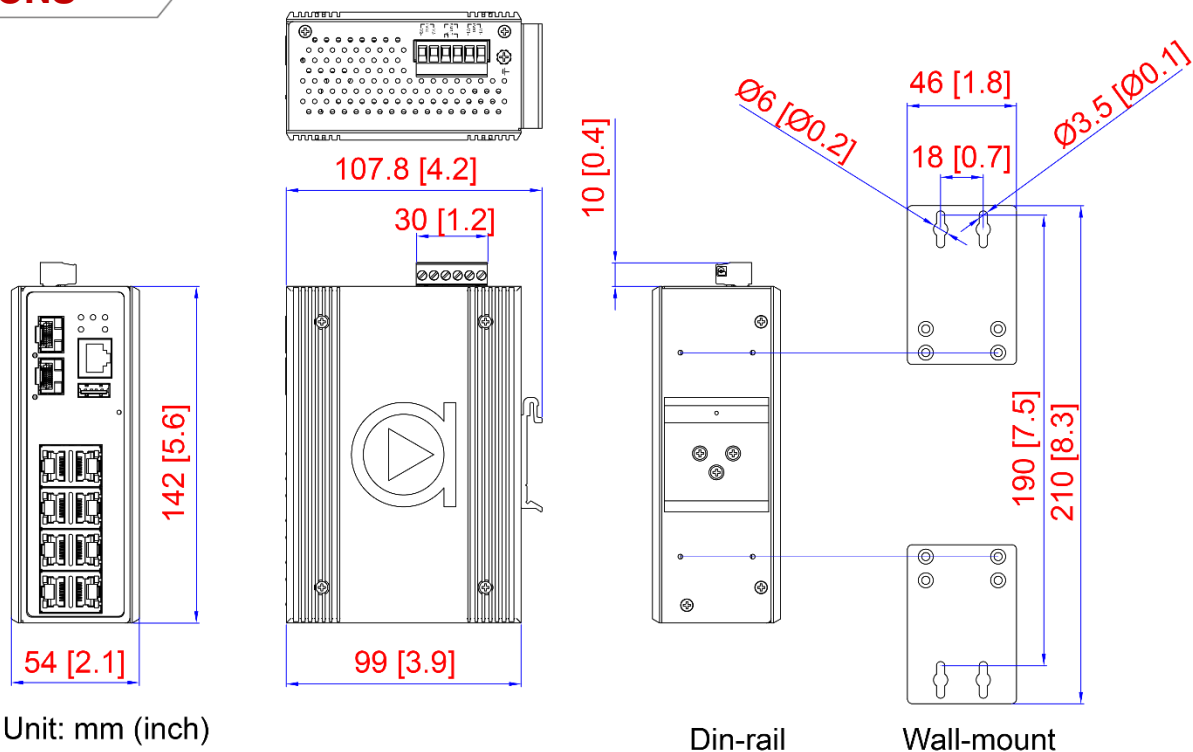
- ▶ Supports 8\*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port
- ▶ Supports 2\*1G/10G SFP+ Slots
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ 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

<b>Technology</b>	Port/MAC/Protocol/IP Subnet-based VLAN, GARP/GVRP, Loop Guard, Link Aggregation static/LACP, BPDU guard, Error disable recovery, IGMP snooping v2/v3, MLD snooping v1/v2, IGMP filtering, IPMC throttling / filtering leave proxy, DHCP snooping, G.8032 v1/v2
<b>L2 Switching</b>	
<b>L3 Switching</b>	DHCP option82, static routes
<b>QoS</b>	802.1p Queueing, Input priority mapping, Storm control for Unicast/Multicast/Broadcast, Port/Queue/ACL policer, Port egress shaper, Queue egress shaper, DiffServ (DSCP), Tag remarking, Scheduler mode
<b>Power Saving</b>	ActiPHY, PerfectReach
<b>Network Redundancy</b>	STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)
<b>Configuration System / Diagnostics</b>	Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3 Dual Image Protection, PING, PING6
<b>Switch Properties</b>	
<b>Switch Architecture</b>	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
<b>Protocols</b>	
<b>Processing Type</b>	Store and Forward
<b>Flow Control</b>	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port 14,880,000pps for 10 Gigabit Ethernet Port
<b>Packet Buffer</b>	8Mbits
<b>Jumbo Frame</b>	9.6Kbytes
<b>MAC Table Size</b>	16K
<b>VLAN Group</b>	4095
<b>IGMP Group</b>	1024
<b>Port Interface</b>	
<b>Ethernet Port</b>	8*10/100/1000BaseTx (30W/Port) Auto Negotiation Speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>SFP Port</b>	2*1G/10G SFP+ slots
<b>Wavelength</b>	Depends on SFP modules
<b>RS232 Serial Console</b>	1*RS232 in RJ45 connector with console cable, baud rate 115.2Kbps, 8, N, 1

<b>Protection</b>	
<b>Overload Current Protection</b>	Present
<b>Reverse Polarity Protection</b>	Present
<b>Network Cable</b>	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/E cable; EIA/TIA-568 100-ohm (100m)
<b>Mechanical Characteristics</b>	
<b>Housing</b>	Metal, IP30 Protection
<b>Dimensions</b>	54 x 142 x 99 mm (W x H x D)
<b>Weight</b>	Unit: 2.29lbs Shipping: 2.95lbs
<b>Mounting</b>	DIN-Rail Mounting, Wall Mounting
<b>Power Requirement</b>	
<b>Input Voltage</b>	48-55VDC Redundant Power Inputs
<b>Power Connection</b>	1 Removable 6-Contact Terminal Block
<b>Relay Contact</b>	24VDC, 1A resistive
<b>PoE Pin Assignment</b>	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, Mode A)
<b>PoE Power Budget</b>	240W, 48-55VDC
<b>System Power Consumption</b>	15.5W
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	STD: -40°C to 60°C
<b>Storage Temperature</b>	-40°C to 85°C
<b>Ambient Relative Humidity</b>	5% to 95%, (non-condensing)
<b>Regulatory Approvals</b>	
<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
<b>EMS</b>	CE EN55035/EN61000-6-2 Class A: IEC61000-4-2,3,4,5,6,8
<b>Free Fall</b>	IEC60068-2-32
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6
<b>Green</b>	RoHS Compliant
<b>Certifications</b>	FCC, CE, UL 61010-1, 61010-2-201
<b>Warranty</b>	5 Years

## ORDERING INFO

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