

# LMP-1002G-10G-SFP-24

10-Port Industrial PoE+ Light Layer 3 Managed Ethernet Switch, with 8\*10/100/1000Tx (30W/Port) and 2\*1G/10G SFP+ Slots; 12~55VDC Power Input



## Features

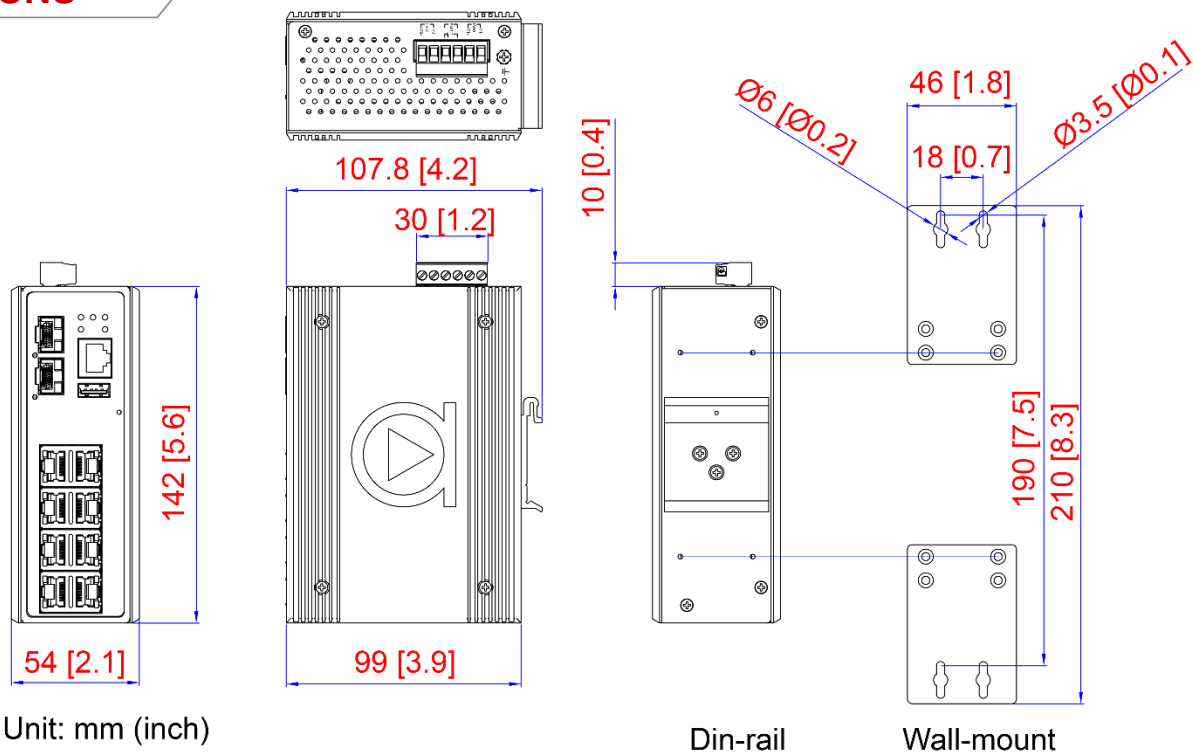
- ▶ Supports 8\*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port
- ▶ Supports 2\*1G/10G SFP+ Slots
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ IGMP v1/v2 for Multicast Traffic Filtering
- ▶ IEEE802.1Q VLAN for Easy Network Planning
- ▶ Power Input: 12~55VDC 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-24 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-24 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>		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)
<b>Standards</b>		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)
<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 14,880pps for Ethernet Port
<b>Transfer Rate</b>		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>		8 Mbits
<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>Fiber 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>Configuration Backup</b>		1*USB 2.0
<b>Protection</b>		
<b>Overload Current Protection</b>		Present (Slow-Blow Fuse)
<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.5/5E 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
<b>Weight</b>		Unit: 2.29 lbs Shipping: 2.95 lbs
<b>Mounting</b>		DIN-Rail, Wall-mount (Optional)
<b>Power Requirement</b>		
<b>Input Voltage</b>		12-55VDC Redundant Power Inputs
<b>Power Connection</b>		1 Removable 6-Contact Terminal Block
<b>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 Class A
<b>EMS</b>		IEC61000-4-2,3,4,5,6,8 IEC61000-6-2,4
<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, 2-201 (Pending)
<b>Warranty</b>		5 Years

## ORDERING INFO

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