

## LMP-1204G-SFP-bt Series

12-Port Industrial Gigabit IEEE 802.3bt PoE++ Light Layer 3 Managed Ethernet Switch, with 4\*10/100/1000Tx (90W/Port), 4\*10/100/1000Tx (30W/Port), and 4\*100/1000 SFP Slots



### Features

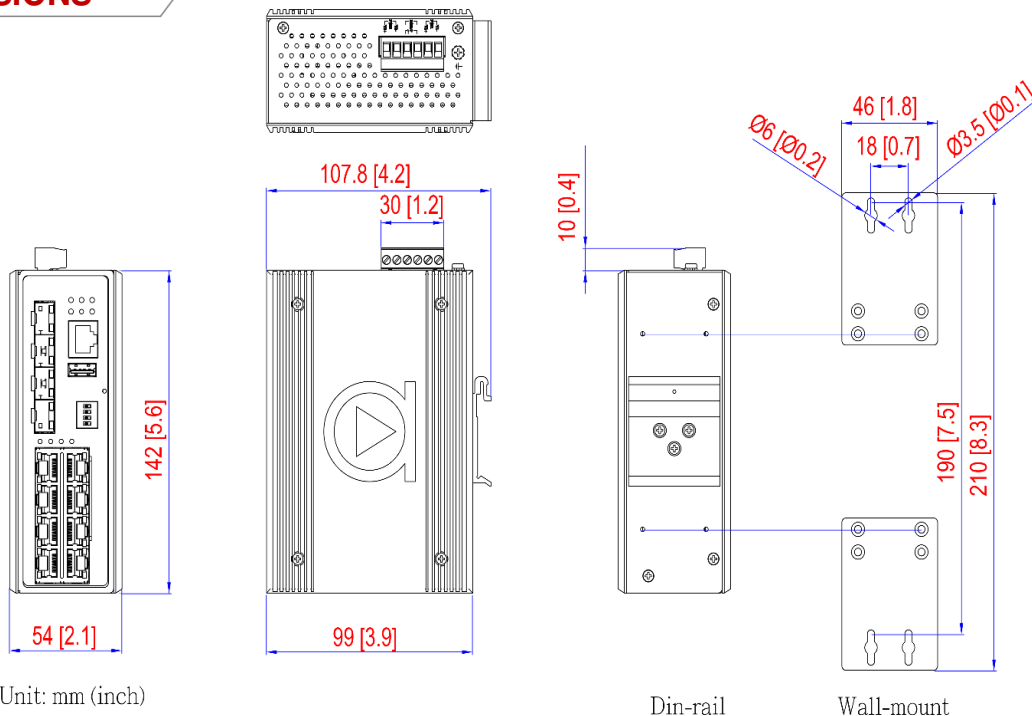
- ▶ Supports 4\*10/100/1000Tx IEEE 802.3bt Compliant with 90W/Port, 4\*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port, and 4\*100/1000 SFP Slots
- ▶ Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS v1/v2 (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2/v3, up to 1024 Groups
- ▶ Supports QoS (IEEE 802.1p) and CoS/ToS
- ▶ Supports IEEE 802.1Q VLAN, SNMP v1/v2c
- ▶ Power Input: 48~55VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ IP30 Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ Operating Temperature Range – STD: -10°C to 65°C, EOT: -40°C to 75°C
- ▶ 5-Year Warranty

### INTRODUCTION

Antaira Technologies' LMP-1204G-SFP-bt series is a 12-port industrial Gigabit PoE++ managed Ethernet switch embedded with 4\*10/100/1000Tx Ethernet ports that support IEEE 802.3bt for a maximum of 90W/port, 4\*10/100/1000Tx Ethernet ports with IEEE 802.3af/at support for a maximum of 30W/Port, and 4\*100/1000 dual rate SFP slots for fiber connection. The LMP-1204G-SFP-bt series is a fully-manageable Light Layer 3 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 Ethernet Ring Protection Switch (ERPS) protocol that has a <50ms network recovery time. The advanced network filtering and security functions, such as IGMP, VLAN, QoS, SNMP, RMON, Modbus TCP, and 802.1X/HTTPS/SSH/SSL increase determinism and improve network management for remote SCADA systems or control networks.

The LMP-1204G-SFP-bt series is IP30 rated and DIN-rail mountable. There are also two wide-operating temperature models for either a standard temperature range (STD: -10°C to 65°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

|   |  |                                    |  |
|---|--|------------------------------------|--|
| <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 v1/v2/v3, MLD snooping v1/v2, IGMP filtering, IPMC throttling / filtering leave proxy, DHCP snooping, G.8032 v1/v2  | <b>Protection</b>                  | 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)<br>100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)<br>1000Base-TX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m) |
| <b>L2 Switching</b>                       |  | <b>Network Cable</b>               |  |
| <b>L3 Switching</b>                       | DHCP option82, static routes   | <b>Mechanical Characteristics</b>  |  |
| <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>Housing</b>                     | Metal, IP30 protection   |
| <b>Power Saving</b>                       | ActiPHY, PerfectReach, IEEE 802.3az EEE power management   | <b>Dimensions</b>                  | 54 x 142 x 99mm (W x H x D)  |
| <b>Network Redundancy</b>                 | STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)  | <b>Weight</b>                      | Unit: 2.38 lbs<br>Shipping: 3.07 lbs   |
| <b>Configuration System / Diagnostics</b> | Htp, Htpps, Telnet, SSH, CLI, TFTP, SNMP v3<br>Dual Image Protection, PING, PING6  | <b>Mounting</b>                    | DIN-Rail Mounting, Wall Mounting   |
| <b>Switch Properties</b>                  |  | <b>Power Requirement</b>           |  |
| <b>Switch Architecture</b>                | Back-Plane (Switching Fabric): 24Gbps 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, USB configuration backup/restore, Power lost warning, relay trigger | <b>Input Voltage</b>               | 48-55VDC Redundant Power Inputs  |
| <b>Protocols</b>                          |  | <b>Power Connection</b>            | Removable 6-Contact Terminal Block   |
| <b>Priority Queues</b>                    | 8  | <b>Relay Contact</b>               | 24VDC, 1A resistive  |
| <b>Processing Type</b>                    | Store and Forward  | <b>PoE Pin Assignment</b>          | V-, V-, V+, V+ for pin 1, 2, 3, 6;<br>V+, V+, V-, V- for pin 4, 5, 7, 8<br>*Support Modes: Mode A, Mode B, 4-Pair Mode   |
| <b>Flow Control</b>                       | IEEE 802.3x for full duplex mode, back pressure for half duplex mode   | <b>Overload Current Protection</b> | Present  |
| <b>Transfer Rate</b>                      | 14,880pps for Ethernet Port<br>148,800pps for Fast Ethernet Port<br>1,488,000pps for Gigabit Ethernet Port   | <b>Reverse Polarity Protection</b> | Present  |
| <b>Packet Buffer</b>                      | 4Mbits   | <b>System Power Consumption</b>    | 12.5W  |
| <b>Jumbo Frame</b>                        | 9.6Kbytes  | <b>PoE Power Budget</b>            | 240W @48-55VDC   |
| <b>MAC Table Size</b>                     | 8K   | <b>Environmental Limits</b>        |  |
| <b>VLAN Group</b>                         | 4095   | <b>Operating Temperature</b>       | STD: -10°C to 65°C<br>EOT: -40°C to 75°C   |
| <b>IGMP Group</b>                         | 1024   | <b>Storage Temperature</b>         | -40°C to 85°C  |
| <b>Port Interface</b>                     |  | <b>Ambient Relative Humidity</b>   | 5% to 95%, (non-condensing)  |
| <b>Ethernet Port</b>                      | 8*10/100/1000Base-TX (90W/Port for Port 1~4, 30W/Port for Port 5~8), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection  | <b>Regulatory Approvals</b>        |  |
| <b>SFP Port</b>                           | 4*100/1000 SFP Slots   | <b>EMI</b>                         | FCC Part 15 Subpart B Class A,<br>CE EN55032/EN61000-6-4 Class A   |
| <b>RS232 Serial Console</b>               | 1*RS232 in RJ45  | <b>EMS</b>                         | CE EN55035/EN61000-6-2 Class A:<br>IEC61000-4-2,3,4,5,6,8  |
| <b>LED Indicators</b>                     | System: Power 1, Power 2, Master (M), Ring (R), Status, PoE Load (P/L)<br>Ethernet ports: Speed/Link/Active<br>PoE: On-connected to PD devices<br>SFP: Link/Active   | <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, UL 61010-2-201, NEMA TS2  |
|   |  | <b>Warranty</b>                    | 5 Years  |

## ORDERING INFO

|                           |  |
|---------------------------|--|
| <b>LMP-1204G-SFP-bt</b>   | 12-Port Industrial Gigabit IEEE 802.3bt PoE++ Light Layer 3 Managed Ethernet Switch, with 4*10/100/1000Tx (90W/Port), 4*10/100/1000Tx (30W/Port), and 4*100/1000 SFP Slots                     |
| <b>LMP-1204G-SFP-bt-T</b> | 12-Port Industrial Gigabit IEEE 802.3bt PoE++ Light Layer 3 Managed Ethernet Switch, with 4*10/100/1000Tx (90W/Port), 4*10/100/1000Tx (30W/Port), and 4*100/1000 SFP Slots; EOT: -40°C to 75°C |

## Assured Systems

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