

LMP-1204G-SFP-bt-24-T-BOS

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; 12~55VDC Power Input; EOT: -40°C to 75°C



Features

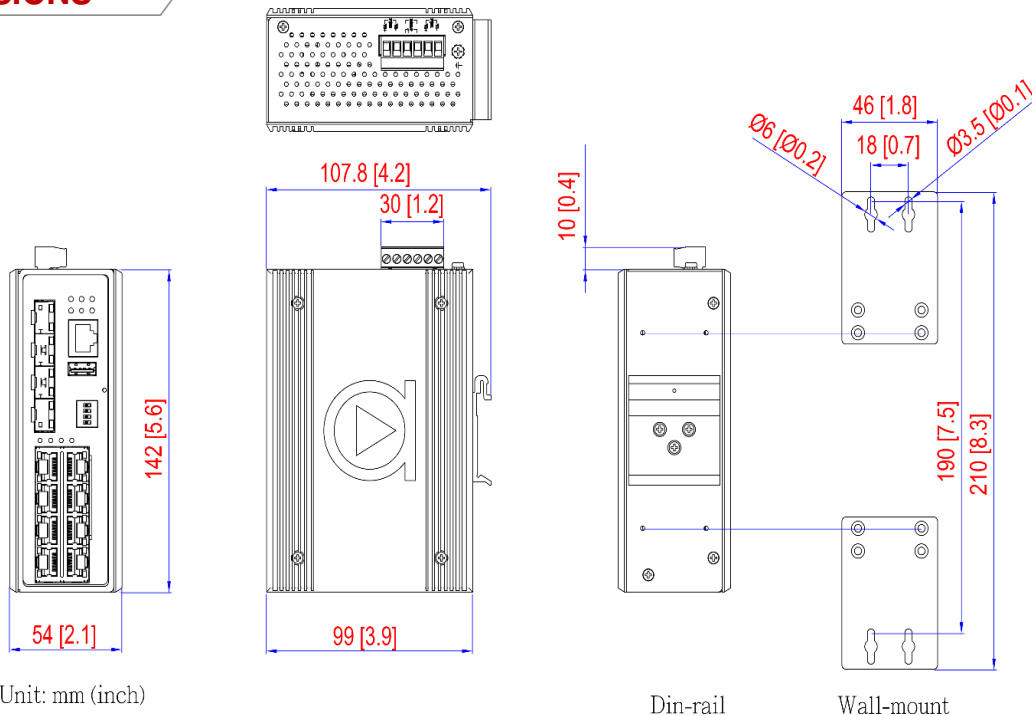
- ▶ Supports 4*10/100/1000Tx IEEE 802.3bt Compliant with 90W/Port, 4*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port, and 4*100/1000 SFP Slots
- ▶ Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS v1/v2 (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports 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: 12~55VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ IP30 Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ Operating Temperature Range – EOT: -40°C to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LMP-1204G-SFP-bt-24-T-BOS 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-24-T-BOS 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-24-T-BOS is IP30 rated, DIN-rail mountable, and supports an extended temperature range (EOT: -40°C to 75°C). It also provides 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

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| Technology | 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 |
| L2 Switching | |
| L3 Switching | DHCP option82, static routes |
| QoS | 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 |
| Power Saving | ActiPHY, PerfectReach, IEEE 802.3az EEE power management |
| Network Redundancy | STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms) |
| Configuration System / Diagnostics | Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3 Dual Image Protection, PING, PING6 |
| Switch Properties | |
| Switch Architecture | 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 |
| Protocols | |
| Priority Queues | 8 |
| Processing Type | Store and Forward |
| Flow Control | IEEE 802.3x for full duplex mode, back pressure for half duplex mode |
| Transfer Rate | 14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port |
| Packet Buffer | 4Mbits |
| Jumbo Frame | 9.6Kbytes |
| MAC Table Size | 8K |
| VLAN Group | 4095 |
| IGMP Group | 1024 |
| Port Interface | |
| Ethernet Port | 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 |
| SFP Port | 4*100/1000 SFP Slots |
| RS232 Serial Console | 1*RS232 in RJ45 |
| LED Indicators | System: Power 1, Power 2, Master (M), Ring (R), Status, PoE Load (P/L) Ethernet ports: Speed/Link/Active PoE: On-connected to PD devices SFP: Link/Active |

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| Protection | |
| 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 99mm (W x H x D) |
| Weight | Unit: 2.53 lbs Shipping: 3.33 lbs |
| Mounting | DIN-Rail Mounting, Wall Mounting |
| Power Requirement | |
| Input Voltage | 12-55VDC Redundant Power Inputs (53~55VDC power input for bt PoE PSE) (DC to AC power supply sold separately) |
| Power Connection | Removable 6-Contact Terminal Block |
| Relay Contact | 24VDC, 1A resistive |
| PoE Pin Assignment | V-, V-, V+, V+ for pin 1, 2, 3, 6; V+, V+, V-, V- for pin 4, 5, 7, 8 *Support Modes: Mode A, Mode B, 4-Pair Mode |
| Overload Current Protection | Present |
| Reverse Polarity Protection | Present |
| System Power | 12.5W |
| PoE Power Budget | 90W @12VDC 180W @24VDC 240W @36-55VDC |
| Environmental Limits | |
| Operating Temperature | -40°C to 75°C |
| Storage Temperature | -40°C to 85°C |
| Ambient Relative Humidity | 5% to 95%, (non-condensing) |
| Regulatory Approvals | |
| EMI | FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A |
| EMS | CE EN55035/EN61000-6-2 Class A; IEC61000-4-2,3,4,5,6,8 |
| Free Fall | IEC60068-2-32 |
| Shock | IEC60068-2-27 |
| Vibration | IEC60068-2-6 |
| Green | RoHS Compliant |
| Certifications | FCC, CE |
| Warranty | 5 Years |

ORDERING INFO

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Assured Systems

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