

LMP-1204G-SFP-bt-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; EOT: -40°C to 75°C



Features

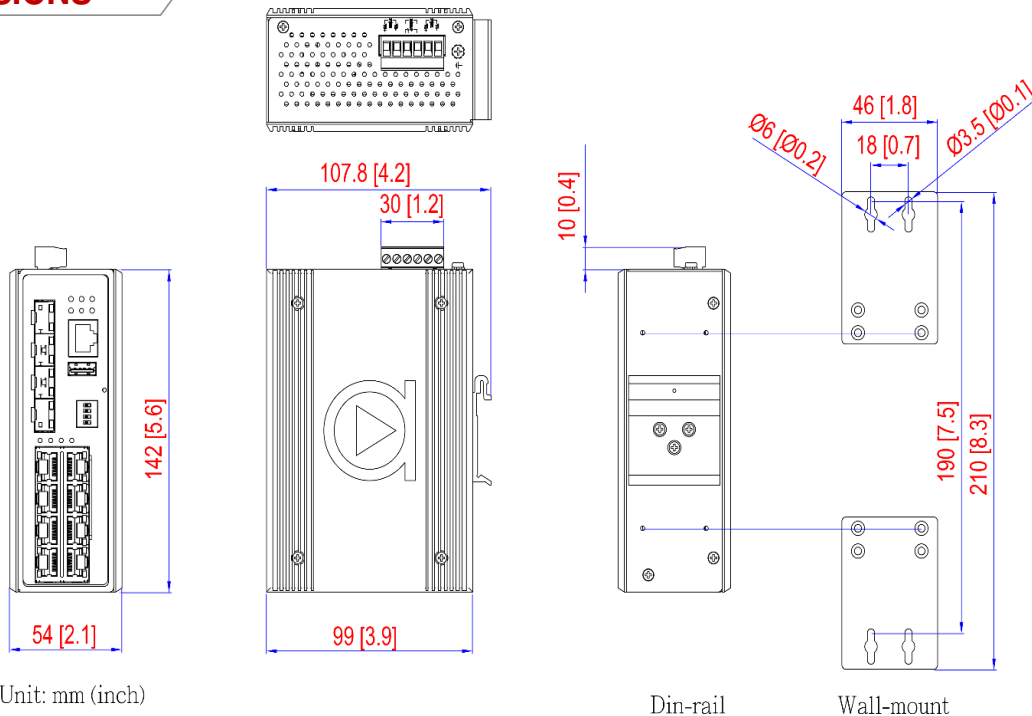
- ▶ Supports 4*10/100/1000Tx IEEE 802.3bt Compliant with 90W/Port, 4*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port, and 4*100/1000 SFP Slots
- ▶ Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS v1/v2 (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports 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: 48~55VDC 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-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-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-T-BOS is IP30 rated, DIN-rail mountable, and supports an extended temperature range (EOT: -40°C to 75°C). It also provides high 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

Technology		Protection	
L2 Switching	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	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)
L3 Switching	DHCP option82, static routes	Mechanical Characteristics	
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	Housing	Metal, IP30 protection
Power Saving	ActiPHY, PerfectReach, IEEE 802.3az EEE power management	Dimensions	54 x 142 x 99mm (W x H x D)
Network Redundancy	STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)	Weight	Unit: 2.38 lbs Shipping: 3.07 lbs
Configuration	Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3	Mounting	DIN-Rail Mounting, Wall Mounting
System / Diagnostics	Dual Image Protection, PING, PING6	Power Requirement	
Switch Properties		Input Voltage	48-55VDC Redundant Power Inputs (53~55VDC power input for bt PoE PSE) (DC to AC power supply sold separately)
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	Power Connection	Removable 6-Contact Terminal Block
Protocols		Relay Contact	24VDC, 1A resistive
Priority Queues	8	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
Processing Type	Store and Forward	Overload Current Protection	Present
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Reverse Polarity Protection	Present
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	System Power Consumption	12.5W
Packet Buffer	4Mbits	PoE Power Budget	240W @48-55VDC
Jumbo Frame	9.6Kbytes	Environmental Limits	
MAC Table Size	8K	Operating Temperature	-40°C to 75°C
VLAN Group	4095	Storage Temperature	-40°C to 85°C
IGMP Group	1024	Ambient Relative Humidity	5% to 95%, (non-condensing)
Port Interface		Regulatory Approvals	
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	EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
SFP Port	4*100/1000 SFP Slots	EMS	CE EN55035/EN61000-6-2 Class A: IEC61000-4-2,3,4,5,6,8
RS232 Serial Console	1*RS232 in RJ45	Free Fall Shock	IEC60068-2-32
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	Vibration	IEC60068-2-6
		Green	RoHS Compliant
		Certifications	FCC, CE
		Warranty	5 Years

ORDERING INFO

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