

LMP-0702G-SFP-bt-24-V2 Series

7-Port Industrial Gigabit IEEE 802.3bt PoE++ Light Layer 3 Managed Ethernet Switch, with 4*10/100/1000Tx (90W/Port), 1*10/100/1000Tx, and 2*100/1000 SFP Slots; 12~55VDC Power Input



Features

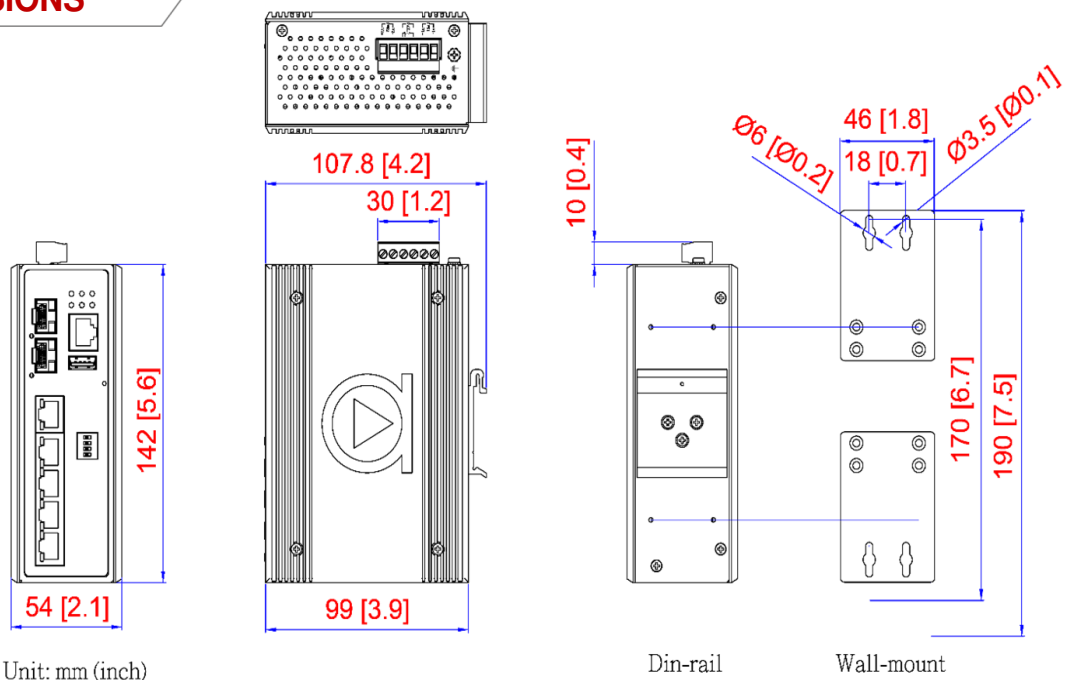
- ▶ Supports 4*10/100/1000Tx IEEE 802.3bt Compliant with 90W/Port, 1*10/100/1000Tx RJ45 Port, and 2*100/1000 SFP Slots
- ▶ Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS v1/v2 (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2/v3, up to 1024 Groups
- ▶ Supports QoS (IEEE802.1p) and CoS/ToS
- ▶ Supports IEEE802.1Q VLAN, SNMP v1/v2c/v3
- ▶ Power Input: 12~55VDC 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-0702G-SFP-bt-24-V2 series is a 7-port industrial Gigabit PoE++ managed Ethernet switch embedded with 4*10/100/1000Tx Ethernet ports that support IEEE802.3bt for a maximum of 90W/port, 1*10/100/1000Tx Gigabit Ethernet port, and 2*100/1000 dual rate SFP slots for fiber connection. The LMP-0702G-SFP-bt-24-V2 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-0702G-SFP-bt-24-V2 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

Technology		Port/MAC/Protocol/IP Subnet-based VLAN, VLAN trunking, GARP/GVRP, Loop Guard, Link Aggregation static/LACP, BPDU guard, Error disable recovery, IGMP v1/v2/v3 snooping, MLD snooping, IGMP filtering, IPMC throttling / filtering leave proxy, DHCP snooping, ARP, MEP, 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): 14Gbps
Priority Queues		8
		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
Protocols		
Processing Type		Store and Forward
Flow Control		IEEE 802.3x flow control, back pressure flow control
Transfer Rate		14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Memory Buffer		4Mbits
Jumbo Frame		9.6Kbytes
MAC Table Size		8K
VLAN Group		4095
IGMP Group		1024
Port Interface		
Ethernet Port		5*10/100/1000Base-TX (90W/Port for Port 1~4 only), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
SFP Port		2*100/1000 SFP Slots
RS232 Serial Console		1*RS232 in RJ45
LED Indicators		System: Power 1, Power 2, Master, Ring, Status, and PoE Load Ethernet Ports: Speed/Link/Active PoE: On-connected to PD devices SFP: Link/Active
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-T: 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 99 mm (W x H x D)
Weight		Unit: 2.35 lbs Shipping: 3.06 lbs
Mounting		DIN-Rail mounting, Wall mounting
Power Requirement		
Input Voltage		12~55VDC Redundant Input (53~55VDC power input for BT PoE PSE)
Power Connection		1 removable 6-contact terminal block
Relay Contact		24VDC, 1A resistive
Overload Current Protection		Present
Reverse Polarity Protection		Present
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
PoE Power Budget		90W @12VDC 180W @24VDC 240W @36-55VDC
System Power Consumption		10.8W
Environmental Limits		
Operating Temperature		STD: -10°C to 65°C EOT: -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

LMP-0702G-SFP-bt-24-V2	7-Port Industrial Gigabit IEEE 802.3bt PoE++ Light Layer 3 Managed Ethernet Switch, w/4*10/100/1000Tx (90W/Port), 1*10/100/1000Tx, and 2*100/1000 SFP Slots; 12~55VDC Power Input
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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660