

LMP-C602G-SFP-bt-V2 Series

6-Port Industrial Compact Gigabit IEEE 802.3bt PoE++ Light Layer 3 Managed Ethernet Switch, with 4*10/100/1000Tx (90W/Port) and 2*100/1000 SFP Slots



Features

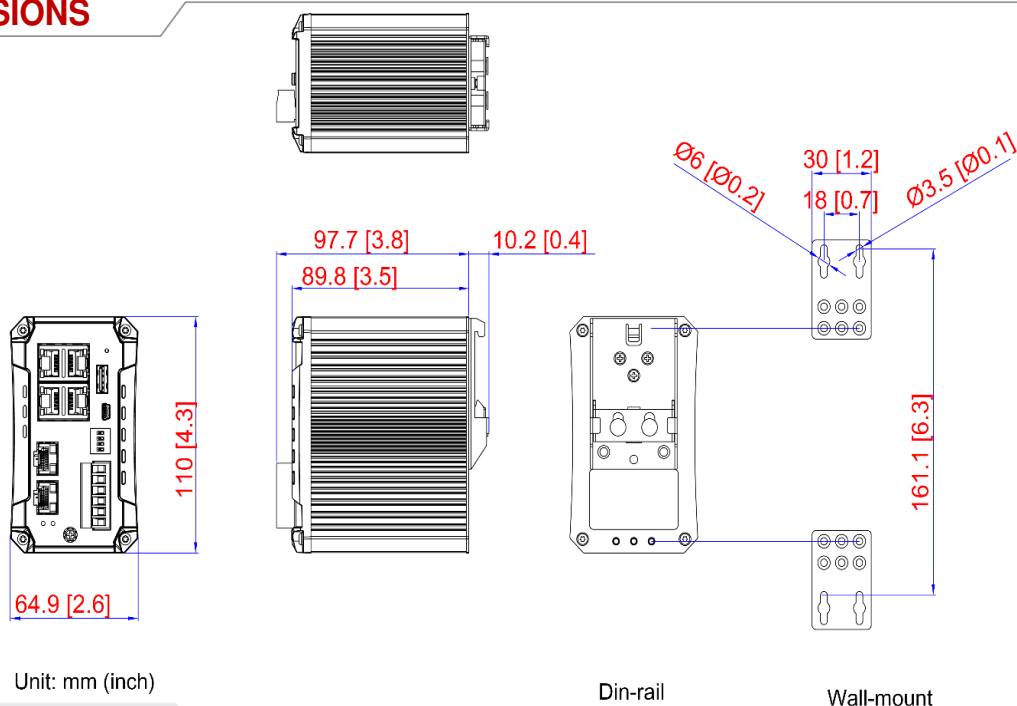
- ▶ Supports 4*10/100/1000Tx IEEE 802.3bt Compliant with 90W/Port and 2*100/1000 SFP Slots
- ▶ Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ Supports IGMP v1/v2/v3, up to 1024 Groups
- ▶ Supports QoS (IEEE802.1p) and CoS/ToS
- ▶ Supports IEEE802.1Q VLAN, SNMP v1/v2c
- ▶ Power Input: 48~55VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ IP40 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-C602G-SFP-bt-V2 series is a 6-port industrial compact Gigabit PoE++ managed Ethernet switch embedded with 4*10/100/1000Tx Ethernet ports that support IEEE 802.3bt for a maximum of 90W/port and 2*100/1000Tx dual rate SFP slots for fiber connection. The LMP-C602G-SFP-bt-V2 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-C602G-SFP-bt-V2 series is IP40 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. With a compact form and all connections facing the front of the Ethernet switch making it easy viewing of installations in a reserved space.

DIMENSIONS



SPECIFICATIONS

Technology		Protection	
L2 Switching	Port/MAC/Protocol/IP Subnet-based VLAN, VLAN trunking, GARP/GVRP, Loop Guard, Link Aggregation static/LACP, BPDU guard, Error disable recovery, IGMPv2 snooping, MLD snooping, IGMP filtering, IPMC throttling / filtering leave proxy, DHCP snooping, ARP, MEP, 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		
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	Mechanical Characteristics	
	Power Saving	Housing	Metal, IP40 protection
Network Redundancy	STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)	Dimensions	64.9 x 110 x 89.8 mm (W x H x D)
	Configuration	Weight	Unit: 2.08 lbs Shipping: 2.69 lbs
System / Diagnostics	Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3	Mounting	DIN-Rail mounting, Wall mounting
	Dual Image Protection, PING, PING6	Power Requirement	
Switch Properties		Input Voltage	48~55VDC Redundant Input *For IEEE 802.3bt application, power supply not less than 53V is recommended
Switch Architecture	Back-Plane (Switching Fabric): 12Gbps 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	Power Connection	1 removable 6-contact terminal block
	Protocols	Relay Contact	24VDC, 1A resistive
Priority Queues	8	Overload Current Protection	Present
Processing Type	Store and Forward	Reverse Polarity Protection	Present
Flow Control	IEEE 802.3x flow control, back pressure flow control	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
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	PoE Power Budget	240W
Memory Buffer	4Mbits	System Power Consumption	10.8W
Jumbo Frame	9.6Kbytes	Environmental Limits	
MAC Table Size	8K	Operating Temperature	STD: -10°C to 65°C EOT: -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	4*10/100/1000Base-TX w/PoE++ (90W/Port) 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	EMS	CE EN55035/EN61000-6-2 Class A, IEC61000-4-2,3,4,5,6,8
RS232 Serial Console	2*100/1000 SFP Slots 1*Mini USB type B connector	Free Fall	IEC60068-2-32
LED Indicators	System: Power 1, Power 2, Master, Ring, and Status	Shock	IEC60068-2-27
	Ethernet Ports: Speed/Link/Active PoE: On- connected to PD devices SFP Port: Link/Active PoE Load: 50%, 70%, 90%	Vibration	IEC60068-2-6
		Green	RoHS Compliant
		Certifications	FCC, CE
		Warranty	5 Years

ORDERING INFO

LMP-C602G-SFP-bt-V2	6-Port Industrial Compact Gigabit IEEE 802.3bt PoE++ Light Layer 3 Managed Ethernet Switch, w/4*10/100/1000Tx (90W/Port) and 2*100/1000 SFP Slots
LMP-C602G-SFP-bt-T-V2	6-Port Industrial Compact Gigabit IEEE 802.3bt PoE++ Light Layer 3 Managed Ethernet Switch, w/4*10/100/1000Tx (90W/Port) and 2*100/1000 SFP Slots; EOT: -40°C to 75°C

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