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
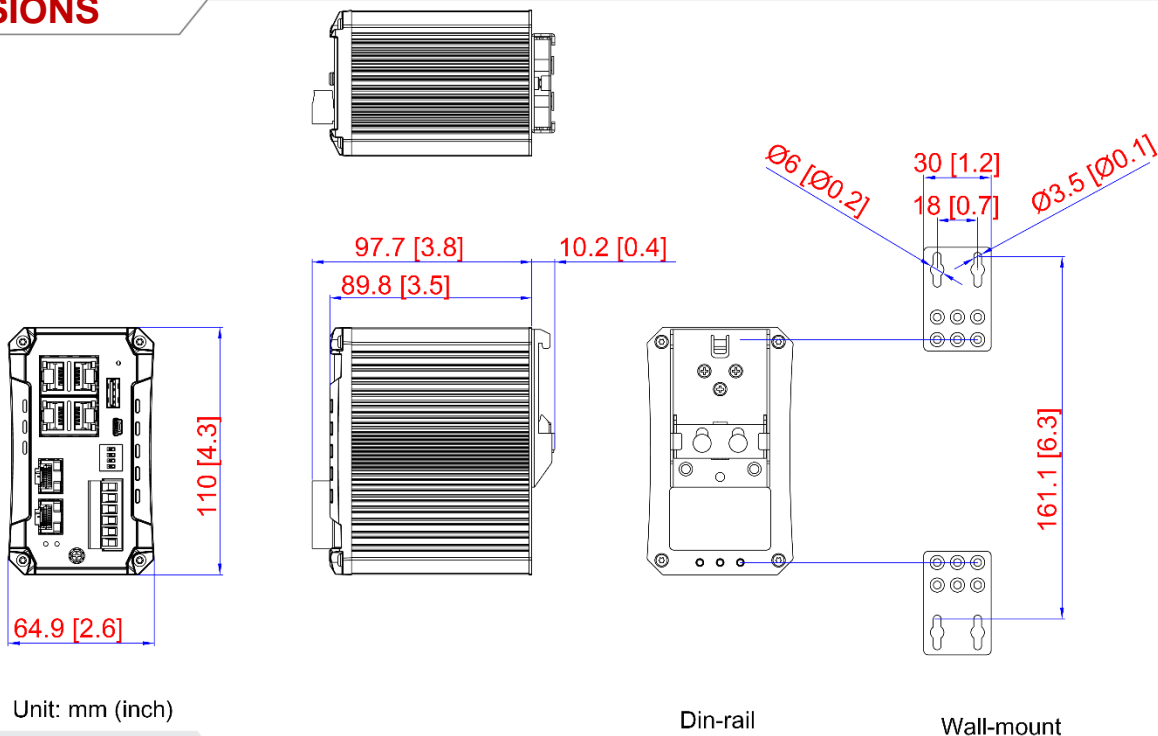
Features

► **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*100/1000Fx 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

97.7 [3.8]
89.8 [3.5]
10.2 [0.4]
110 [4.3]
64.9 [2.6]

Ø6 [Ø0.2]
30 [1.2]
18 [0.7]
Ø3.5 [Ø0.1]
161.1 [6.3]

Unit: mm (inch)

Din-rail   Wall-mount

SPECIFICATIONS

Technology	
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
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	Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3
System / Diagnostics	Dual Image Protection, PING, PING6

Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 12Gbps
Protocols	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
Priority Queues	8
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	4*10/100/1000Base-TX w/PoE++ (90W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
SFP Port	2*100/1000 SFP Slots
RS232 Serial Console	1*Mini USB type B connector
LED Indicators	System: Power 1, Power 2, Master, Ring, and Status Ethernet Ports: Speed/Link/Active PoE: On- connected to PD devices SFP Port: Link/Active PoE Load: 50%, 70%, 90%

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, IP40 protection
Dimensions	64.9 x 110 x 89.8 mm (W x H x D)
Weight	Unit: 2.08 lbs Shipping: 2.69 lbs
Mounting	DIN-Rail mounting, Wall mounting

Power Requirement	
Input Voltage	48~55VDC Redundant Input *For IEEE 802.3bt application, power supply not less than 53V is recommended
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	240W
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

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