

LMP-0600-V2 Series

6-Port Industrial PoE+ Light Layer 3 Managed Ethernet Switches, with 4*10/100Tx (30W/Port) and 2*10/100Tx; Version 2 Hardware



Features

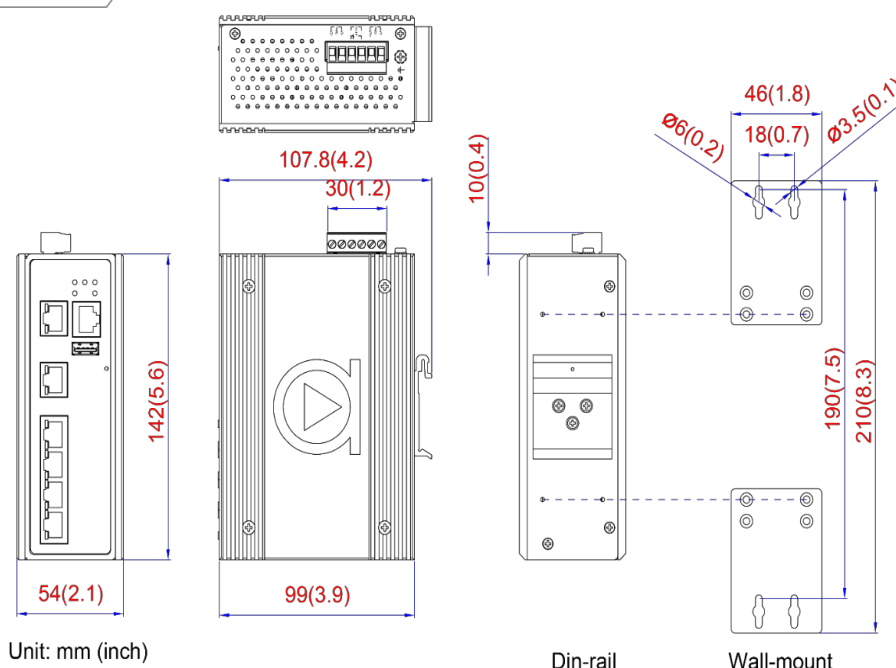
- ▶ Supports 4*10/100Tx IEEE 802.3af/at Compliant with 30W/Port and 2*10/100Tx Fast Ethernet Ports
- ▶ Supports Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ IGMP v1/v2/v3 for Multicast Traffic Filtering
- ▶ QoS (IEEE802.1p/1Q), CoS/ToS to Increase Determinism
- ▶ Power Input: 48~55VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ IP30 Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ Operating Temperature Range
 - STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LMP-0600-V2 series is a 6-port industrial PoE+ managed Ethernet switch embedded with 4*10/100Tx Ethernet ports that support IEEE802.3af/at for a maximum of 30 watts per port and 2*10/100Tx Fast Ethernet ports. The LMP-0600-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-0600-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 70°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		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/v3 snooping, MLD snooping, IGMP filtering, IPMC throttling / filtering leave proxy, DHCP snooping, ARP, MEP, G.8032 v1/v2, NAT, DHCP per port, SMTP, Quick ERPS, TLS	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)
L3 Switching		Mechanical Characteristics	
DHCP option82, static routes		Housing	Metal, IP30 protection
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	Dimensions	54 x 142 x 99 mm (W x H x D)
		Weight	Unit: 1.9 lbs. Shipping: 2.7 lbs.
Power Saving	ActiPHY, PerfectReach, IEEE 802.3az EEE power management	Mounting	DIN-Rail mounting, Wall mounting
Network Redundancy	STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)	Power Requirement	
Configuration	Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3	Input Voltage	48~55VDC Redundant Input
System / Diagnostics	Dual Image Protection, PING, PING6	Power Connection	1 removable 6-contact terminal block
Switch Properties		Relay Contact	24VDC, 1A resistive
Switch Architecture	Back-Plane (Switching Fabric): 1.2Gbps 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	Overload Current Protection	Present
Protocols		Reverse Polarity Protection	Present
Priority Queues	8	PoE Pin Assignment	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
Processing Type	Store and Forward	PoE Power Budget	120W
Flow Control	IEEE 802.3x flow control, back pressure flow control	System Power Consumption	7.5W
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port	Environmental Limits	
Memory Buffer	4Mbits	Operating Temperature	STD: -10°C to 70°C
Jumbo Frame	9.6Kbytes	Temperature	EOT: -40°C to 75°C
MAC Table Size	8K	Storage Temperature	-40°C to 85°C
VLAN Group	4095	Ambient Relative Humidity	5% to 95%, (non-condensing)
IGMP Group	1024	Regulatory Approvals	
Port Interface		EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
Ethernet Port	6*10/100Base-TX with 4*PoE+ (30W/Port), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDIX connection	EMS	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
RS232 Serial Console	1*RS232 in RJ45	Free Fall	IEC60068-2-32
LED Indicators	System: Power 1, Power 2, Master, Ring, Fault Ethernet Ports: Speed/Link/Active	Shock	IEC60068-2-27
		Vibration	IEC60068-2-6
		Green	RoHS Compliant
		Certifications	FCC, CE, UL 61010, 61010-2-201
		Warranty	5 Years

ORDERING INFO

LMP-0600-V2	6-Port Industrial PoE+ Light Layer 3 Managed Ethernet Switches with 4*10/100Tx (30W/Port) and 2*10/100Tx, 48~55VDC Power Input; Version 2 Hardware
LMP-0600-T-V2	6-Port Industrial PoE+ Light Layer 3 Managed Ethernet Switches with 4*10/100Tx (30W/Port) and 2*10/100Tx, 48~55VDC Power Input; Version 2 Hardware; EOT: -40°C to 75°C

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