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# LMP-0800G-24 Series

8-Port Industrial Gigabit PoE+ Managed Ethernet Switch, w/8\*10/100/1000Tx (30W/Port); 12~36VDC Power Input (w/ Voltage Booster)



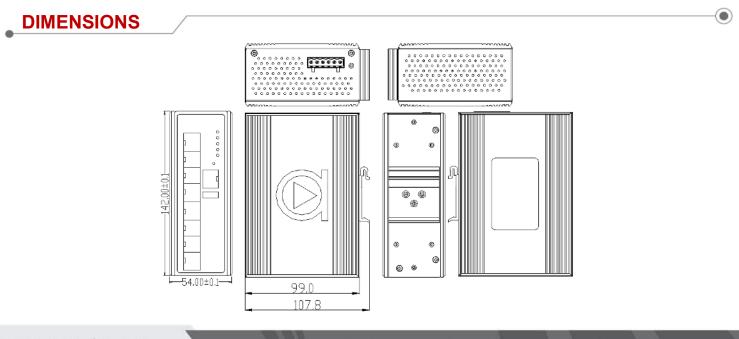
#### **Features**

- Supports 8\*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port
- Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)</li>
- Supports IPv4/IPv6, and DHCP Option 66/67/82
- Supports Modbus/TCP Protocol for Device Management and Monitoring
- Configuration: Web Console, Telnet, CLI Command
- ▶ PoE Ping Alarm Function for PoE Ports Power Recycle
- IGMP v1/v2 for Multicast Traffic Filtering
- QoS (IEEE802.1p/1Q), CoS/ToS to Increase Determinism
- IEEE802.1Q VLAN for Easy Network Planning
- Enhanced Network Security with IEEE802.1X, SNMP v1/v2c/v3, HTTPS, and SSH/SSL
- Auto Warning by Exception through E-mail, Relay Output
- Operating Temp –STD: -10~70°C, EOT: -40~75°C
- ▶ 5-Year Warranty

#### INTRODUCTION

Antaira Technologies' LMP-0800G-24 series is an 8-port industrial PoE+ managed Ethernet switch that is embedded with 8\*10/100/1000Tx Ethernet ports that support IEEE802.3at/af for a maximum of 30W/port. The LMP-0800G-24 series is a fully manageable Layer 2 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 ERPS (Ethernet Ring Protection Switch) 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-0800G-24 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). This series supports a dual power input having a low voltage range (12~36VDC) and a built-in voltage booster allowing the unit to give a full 48VDC PoE power for any mobile PoE application or any low voltage power sourcing environment. 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 within transportation, ITS and any other outdoor or harsh environment.



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## SPECIFICATIONS

Technology		Protection	
	IEEE 802.3 10Tx Ethernet	Overload Current	Present
Standards	IEEE 802.3u 100Tx Fast Ethernet	Power Reverse Polarity	Present
	IEEE 802.3ab 1000Tx Gigabit Ethernet	CPU Watchdog	Present
	IEEE 802.3x Flow Control for Full Duplex IEEE 802.3ad for Port Trunk with LACP IEEE 802.3at/af PoE (Power-over- Ethernet) IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1w RSTP (Rapid Spanning Tree	Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable. EIA/TIA- 568 100-ohm (100m) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
	Protocol)	Mechanical Characteristics	
	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) ITU-T G.8032/Y.1344 ERPS (Ethernet	LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Green/Red) PoE: Feeding Power (Green)
	Ring Protection Switch) Protocol	Housing	Metal IP30 rated
	IEEE 802.1Q for VLAN Tagging IEEE 802.1x for Network Authentication	Dimension	54 x 142 x 99 mm
	IEEE 802.1p QoS/CoS Protocol for Traffic	Weight	Unit: 2.1 lbs.; Shipping: 2.9 lbs.
	Prioritization	Mounting	DIN-Rail; Wall-Mount (optional)
Protocol	IGMPv1/v2, SNMPv1/v2c/v3, TFTP,	Power Requirement	
	SNTP, SMTP, RMON, HTTP, HTTPS,	Input Voltage	12~36VDC Redundant Input
	Telnet, Syslog, DHCP Option 66/67/82, SSH/SSL, Modbus/TCP, LLDP, IPv4/IPv6	Power Connection	1 removable 6-contact terminal block
Switch Properties			25W/port @ 12VDC power input;
Switch Architecture	Back-Plane (Switching Fabric): 16.0Gbps	PoE Power Output	30W/port @ 24~36VDC power
Configuration	Web Console, Telnet, CLI		input
Processing Type Flow Control	Store and Forward IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Power Consumption	15 Watts (no PD included); 190 Watts @12VDC 255 Watts @36VDC
	14,880pps for 10Base-T Ethernet	Environmental Limits	
Transfer Rate	148,800pps for 100Base-T Fast Ethernet 1,488,000pps for Gigabit Ethernet	Operating Temperature	STD: -10 to 70°C EOT: -40 to 75°C
Packet Buffer	4 Mbits	Storage Temperature	-40°C ~ 85°C
Jumbo Frame	9.6K	Ambient Relative Humidity	5 to 95%, (non-condensing)
MAC Table Size	8K	Regulatory Approvals	
VLAN Group	1 ~ 4094	EMI	FCC Class A
IGMP Group Port Interface	Up to 256 Groups	EMS	IEC61000-4-2,3,4,5,6,8 IEC61000-6-2.4
Ethernet RJ45 Port	8*10/100/1000Tx (PSE: 30W/Port) auto negotiation speed, Full/Half duplex mode,	Free Fall	IEC60068-2-32
		Shock	IEC60068-2-27
	and auto MDI connection	Vibration	IEC60068-2-6
RS232 Serial Console	1*RS232 in RJ45 connector with console	Green	RoHS Compliant
Configuration Backup	cable, 115.2Kbps, 8,N,1 1*USB 2.0	Certifications	FCC, CE,
- Singulation Buokup			UL 61010-1, UL 61010-2-201

### **ORDERING INFO**

LMP-0800G-24	8-Port Industrial Gigabit PoE+ Managed Ethernet Switch with 8*10/100/1000Tx; 12~36VDC Power Input		
LMP-0800G-24-T	8-Port Industrial Gigabit PoE+ Managed Ethernet Switch with 8*10/100/1000Tx; 12~36VDC Power Input; EOT: -40° to 75°C		
<b>Optional Accesso</b>	ries		
DR-75-24	75W Industrial Din Rail Power Supply (24VDC)		
DR-120-24	120W Industrial Din Rail Power Supply (24VDC)		
SDR-240-24	240W Industrial Din Rail Power Supply (24VDC)		
SDR-480-24	480W Industrial Din Rail Power Supply (24VDC)		
DIN-RACK-2U	Din-Rail to 19" Rack Mount Adapter for all Din-Rail Mountable Products, 2U Height		

Warranty

5 Years