

LMP-1202M-SFP(-T)

LMP-1202M-SFP-24(-T)

INDUSTRIAL GIGABIT PoE+ MANAGED ETHERNET SWITCH

INDUSTRIAL GIGABIT PoE+ MANAGED ETHERNET SWITCH WITH LOW POWER INPUT



FEATURES

- Supports 8*10/100TX IEEE 802.3at/af Compliant with 30W/Port, 2*10/100/1000T RJ45 & 2*100/1000 SFP Slots for Fiber Connections
- 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
- 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
- Support RMON function for Efficient Network Monitoring
- Support Port Mirroring for Online Diagnostic
- LMP-1202M-SFP-24(-T) supports Low Power Input 12~55VDC (w/Voltage Booster)
- 5-Year Warranty



INTRODUCTION

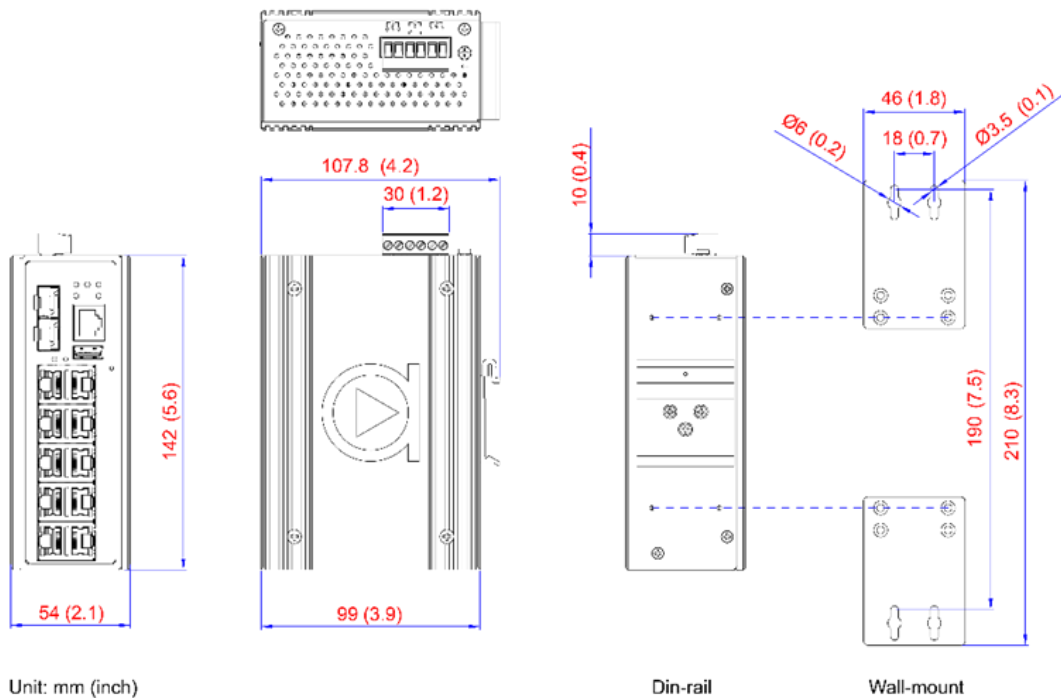
Antaira's LMP-1202M-SFP(-24) series is a 12-port industrial PoE+ managed Ethernet switch embedded with 8*10/100TX Ethernet ports that support IEEE802.3at/af for a maximum of 30W/port, 2*10/100/1000T RJ45 and 2*100/1000 dual rate SFP slots for gigabit fiber connections. The LMP-1202M-SFP(-24) series is 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-1202M-SFP(-24) series is IP30 rated and DIN-rail mountable. There are also two wide operating temperature models of either a standard temperature range (STD: -10°C to 70°C) or an extended temperature range (EOT: -40°C to 75°C). Especially, LMP-1202M-SFP-24(-T) supports a dual power input having a low voltage range (12~55VDC) 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.

SPECIFICATIONS

Hardware Specifications							
Part Number	Total Ports	RJ-45	1G SFP	PoE Power Budget	System Power	Input Voltage	Operating Temp.
LMP-1202M-SFP	12	10	2	240W	15W	48~55VDC	-10 to 70°C 14 to 158°F
LMP-1202M-SFP-T	12	10	2	240W	15W	48~55VDC	-40 to 75°C -40 to 167°F
LMP-1202M-SFP-24	12	10	2	90W@12VDC, 240W@48~55VDC	15W	12~55VDC	-10 to 70°C 14 to 158°F
LMP-1202M-SFP-24-T	12	10	2	90W@12VDC, 240W@48~55VDC	15W	12~55VDC	-40 to 75°C -40 to 167°F

Physical Specifications							
Part Number	Dimensions (W x H x D)	Weight (Unit)	Weight (Shipping)	Mounting	Housing	PoE LED Indicator	PoE Pin Assignment
LMP-1202M-SFP(-T)	54 x 142 x 99 mm 2.1 x 5.5 x 3.8in	1.08kg 2.4lb	1.45kg 3.2lb	DIN-Rail Wall Mount	Metal, IP30	Yes	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A)
LMP-1202M-SFP-24(-T)	54 x 142 x 99 mm 2.1 x 5.5 x 3.8in	1.13kg 2.5lb	1.49kg 3.3lb	DIN-Rail Wall Mount	Metal, IP30	Yes	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A)



Standards	
Part Number	IEEE Standards
LMP-1202M-SFP(-T) LMP-1202M-SFP-24(-T)	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3z Gigabit Fiber 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 Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) ITU-T G.8032/Y.1344 ERPS (Ethernet Ring Protection Switch) Protocol IEEE 802.1Q for VLAN Tagging IEEE 802.1x for Network Authentication IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization

Switch Properties			
Specification		Specification	
Switch Architecture	Back-Plane (Switching Fabric): 9.6Gbps	Relay Contact	24VDC, 1A resistive
Configuration	Web Console, Telnet, CLI	Flow Control	IEEE 802.3x for Full Duplex Mode, Back Pressure for Half Duplex Mode
Processing Type	Store and Forward	Packet Buffer	4 Mbits
VLAN Group	4095	MAC Table Size	8K
IGMP Group	1024	Overload Current Protection	Present
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	Reverse Polarity Protection	Present

Compliance Specifications	
EMI	FCC Part 15 Subpart B Class A CE EN 55032/EN 61000-6-4 Class A
EMS	CE EN 55035/EN 61000-6-2 Class A: IEC 61000-4-2,3,4,5,6,8
Free Fall	IEC 60068-2-32
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6
Green	RoHS Compliant
Safety	UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01, NEMA TS2
Storage Environment	Storage Temperature: -40 to 85°C
Humidity	Ambient Relative Humidity 5% to 95%, (non-condensing)
Warranty	5 Years

ORDERING INFORMATION

PoE Injector Models	
Part Number	Description
LMP-1202M-SFP	12-Port Industrial PoE+ Managed Ethernet Switch with 8*10/100TX (30W/Port), 2*10/100/1000T RJ45, and 2*100/1000 SFP Slots
LMP-1202M-SFP-T	12-Port Industrial PoE+ Managed Ethernet Switch with 8*10/100TX (30W/Port), 2*10/100/1000T RJ45, and 2*100/1000 SFP Slots; EOT: -40°C to 75°C
LMP-1202M-SFP-24	12-Port Industrial PoE+ Managed Ethernet Switch with 8*10/100TX (30W/Port), 2*10/100/1000T RJ45, and 2*100/1000 SFP Slots; 12-55VDC Power Input
LMP-1202M-SFP-24-T	12-Port Industrial PoE+ Managed Ethernet Switch with 8*10/100TX (30W/Port), 2*10/100/1000T RJ45, and 2*100/1000 SFP Slots; 12-55VDC Power Input; EOT: -40°C to 75°C

Optional Accessories	
SFP-M-T	1 Gigabit Fiber SFP Transceiver, Multi-Mode 550M / LC / 850nm, -40°C~85°C
SFP-S10-T	1 Gigabit Fiber SFP Transceiver, Single Mode 10KM / LC / 1310nm, -40°C~85°C
DIN-RACK-2U	Din-Rail to 19" Rack Mount Adapter for all Din-Rail Mountable Products, 2U Height

© Antaira Technologies, LLC. All rights reserved. 202505
Specifications are subject to change without notice and without incurring any obligation.