

ANT LMP-1204G-SFP Series

12-Port Industrial Gigabit PoE+ Managed Ethernet Switch, with 8*10/100/1000Tx(30W/Port)and 4*100/1000SFP Slots, 48~55VDC Power Input

Features

- Supports 8*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port and 4*100/1000Tx SFP Fiber Slots
- 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
- 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



SPECIFICATIONS

Technology	
	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3z Gigabit Fiber IEEE 802.3x Flow Control for Full Duplex IEEE 802.3ad for Port Trunk with LACP IEEE 802.1d 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
Standards	
	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3z Gigabit Fiber IEEE 802.3x Flow Control for Full Duplex IEEE 802.3ad for Port Trunk with LACP IEEE 802.1d 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	
Switch Architecture	Back-Plane (Switching Fabric): 24.0Gbps IGMPv1/v2, SNMPv1/v2c/v3, TFTP, SNMP, SMTP, RMON, HTTP, HTTPS, Telnet, Syslog, DHCP Option 66/67/82, SSH/SSL, Modbus/TCP, LLDP, IPv4/IPv6
Protocol	Store-and-Forward
Data Process	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet 1,488,000pps for Gigabit Ethernet
Transfer Rate	4 Mbits
Packet Buffer	8K
MAC Table	9.6K
Jumbo Frame	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
Flow Control	0 ~ 4094
VLAN Group	Up to 256 Groups
IGMP Group	
Port Interface	
Ethernet Port	8*10/100/1000Tx auto negotiation speed, Full/Half duplex mode, and auto MDI connection
Fiber Port	4*100/1000 Dual Rate SFP Slots
Wavelength	Dependent on Fiber type and Distance
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, 115.2bps, 8,N,1
Configuration Backup	1*USB 2.0

Protection	
Overload Current	Present
Power Reverse Polarity	Present (the unit will not be on, if power reverse)
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)
Mechanical Characteristics	
LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red) PoE: Feeding Power (Green)
Housing	Metal IP30 rated
Dimensions	54 x 142 x 99 mm
Weight	Unit: 2.5 lbs Shipping: 3.0 lbs
Mounting	DIN-Rail; Wall-mount (Optional)
Power Requirement	
Input Voltage	48-55VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
PoE Power Output	25W @ 48VDC (per PoE port); 30W @ 51-55VDC (per PoE port) 15 Watts (no PD included); 255 Watts (Fully loaded)
Power Consumption	
Environmental Limits	
Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (Non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN6100-4-2,3,4,5,6,8 EN6100-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1, 61010-2-201, NEMA TS2
Warranty	5 Years

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ORDERING INFO

LMP-1204G-SFP	12-Port Industrial Gigabit PoE+ Managed Ethernet Switch, w/8*10/100/1000Tx + 4*100/1000 SFP Slots
LMP-1204G-SFP-T	12-Port Industrial Gigabit PoE+ Managed Ethernet Switch, w/8*10/100/1000Tx + 4*100/1000 SFP Slots; EOT: -40° to 75°C
Optional Accessories	
MDR-100-48	100 Watt Industrial Slim Single Output DIN-Rail Power Supply – 48VDC / 2.0 Amps
DR-120-48	120 Watt Industrial Single Output DIN-Rail Power Supply – 48VDC / 2.5 Amps
SDR-240-48	240 Watt Industrial Slim High-Efficiency Single Output DIN-Rail Power Supply – 48VDC / 5.0 Amps
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