

LNP-1204G-10G-SFP-24

12-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 2*1G SFP Slots, and 2*10G SFP+ Slots; 12~55VDC Power Input





Features

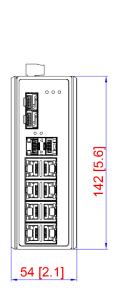
- ➤ Supports 8*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port, 2*1G SFP Slots, and 2*10G SFP+ Slots
- ► Store-and-Forward Switching Architecture
- ► 60Gbps Back-Plane (Switching Fabric)
- ► 16K MAC Address Table
- ► 9.6Kbytes Jumbo Frame Support
- ► Redundant Power Input Design: 12~55VDC
- ► Built-in 1 Relay Output for Power Failure Warning
- ► IP30 Rugged Metal Case Design
- ► DIN-Rail and Wall Mount Support Included
- ► Operating Temperature Range: -40°C~65°C
- ► 5-Year Warranty

INTRODUCTION

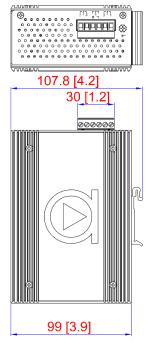
Antaira Technologies' LNP-1204G-10G-SFP-24 are industrial gigabit PoE+ unmanaged Ethernet switches featuring 8*10/100/1000Tx Gigabit Ethernet ports that support IEEE802.3at for a maximum of 30W/port. The LNP-1204G-10G-SFP-24 has 2*1G SFP slots and 2*10G SFP+ slots which provide options for long-distance fiber connections. The Ethernet switches are designed with high EFT and ESD protection and support standard operating temperature from -40° to 65°C.

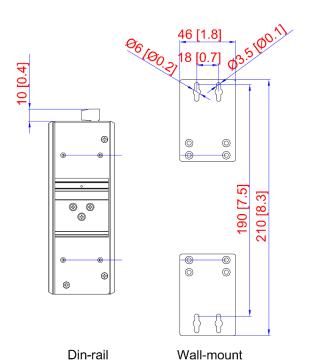
The LNP-1204G-10G-SFP-24 are IP30 rated and DIN-rail mountable. These Ethernet switches are designed to be powered with low voltage input (12~55VDC) while still providing the higher voltages required by the PoE standards. Additionally, these industrial PoE Ethernet switches provide connectivity for outdoor or harsh industrial automation application environments, such as security surveillance, ITS-traffic monitoring systems, oil/gas and mining, facility management for power/utility, water wastewater treatment plants, and lastly, automated production lines in factory automation.

DIMENSIONS



Unit: mm (inch)







SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3z 1000X Gigabit Fiber IEEE 802.3ae 10 Gigabit Ethernet IEEE 802.3af/at Power over Ethernet
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 60.0Gbps
Transfer Rate	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet 1,488,000pps for 1000Base-T Gigabit Ethernet 14,880,000pps for 10 Gigabit Ethernet Port
Packet Buffer	8Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	16K
Port Interface	
Ethernet Port	8*10/100/1000Tx (PSE: 30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
SFP Port	2*1G SFP slots 2*10G SFP+ slots
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A)
LED Indicators	System: Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting PoE: On-connected to PD devices SFP: Link/Active
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) 1000BaseTX: UTP/STP Cat.5/5E cable

EIA/TIA-568 100-ohm (100m)

Housing Metal, IP30 protection Dimension 54 x 142 x 99 mm Weight Unit: 2.63 lbs.; Shipping: 3.24 lbs. Mounting DIN-Rail mounting, Wall mounting Power Requirement Input Voltage 12~55VDC Redundant Input 1 removable 6-contact terminal block Relay Contact 24VDC, 1A resistive Overload Current Protection Power Reverse Polarity Protection System Power Consumption 11.3W Max PoE Power Budget 90W @12VDC, 180W @24VDC, 240W @36-55VDC PoE Power Output 30W max. per PoE port Environmental Limits Operating Temperature -40°C to 65°C Storage Temperature -40°C ~ 85°C Storage Temperature -40°C ~ 85°C Ambient Relative Humidity Regulatory Approvals EMI FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A EMS IEC61000-4-2,3,4,5,6,8 Free Fall IEC60068-2-32 Shock IEC60068-2-6 Green RoHS Compliant Certifications FCC, CE, UL 61010-1, 61010-2-201			
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Input Voltage	Mounting	DIN-Rail mounting, Wall mounting	
Power Connection 1 removable 6-contact terminal block Relay Contact 24VDC, 1A resistive Overload Current Protection Present Power Reverse Polarity Protection Present System Power Consumption 11.3W Max PoE Power Budget 90W @12VDC, 180W @24VDC, 240W @36-55VDC PoE Power Output 30W max. per PoE port Environmental Limits -40°C to 65°C Storage Temperature -40°C ~ 85°C Ambient Relative Humidity 5 to 95%, (non-condensing) Regulatory Approvals FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A EMS FCC Part 15 Subpart B 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, UL 61010-1, 61010-2-201	Power Requirement		
Power Connection block Relay Contact 24VDC, 1A resistive Overload Current Present Protection Present Power Reverse Polarity Present Protection 11.3W System Power Consumption 11.3W Max PoE Power Budget 90W @12VDC, 180W @24VDC, 240W @36-55VDC PoE Power Output 30W max. per PoE port Environmental Limits -40°C to 65°C Storage Temperature -40°C ~ 85°C Ambient Relative Humidity 5 to 95%, (non-condensing) Regulatory Approvals FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A EMS 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, UL 61010-1, 61010-2-201	Input Voltage	12~55VDC Redundant Input	
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Protection Present Power Reverse Polarity Present Protection 11.3W System Power Consumption 11.3W Max PoE Power Budget 90W @12VDC, 180W @24VDC, 240W @36-55VDC PoE Power Output 30W max. per PoE port Environmental Limits -40°C to 65°C Storage Temperature -40°C ~ 85°C Ambient Relative Humidity 5 to 95%, (non-condensing) Regulatory Approvals 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, UL 61010-1, 61010-2-201	Relay Contact	24VDC, 1A resistive	
Protection Present System Power Consumption 11.3W Max PoE Power Budget 90W @12VDC, 180W @24VDC, 240W @36-55VDC PoE Power Output 30W max. per PoE port Environmental Limits -40°C to 65°C Operating Temperature -40°C ~ 85°C Ambient Relative Humidity 5 to 95%, (non-condensing) Regulatory Approvals 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, UL 61010-1, 61010-2-201	Overload Current Protection	Present	
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### 240W @36-55VDC PoE Power Output 30W max. per PoE port Environmental Limits Operating Temperature -40°C to 65°C Storage Temperature -40°C ~ 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 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, UL 61010-1, 61010-2-201	System Power Consumption		
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Storage Temperature -40°C ~ 85°C Ambient Relative Humidity 5 to 95%, (non-condensing) Regulatory Approvals 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, UL 61010-1, 61010-2-201	Environmental Limits		
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Shock IEC60068-2-27 Vibration IEC60068-2-6 Green RoHS Compliant Certifications FCC, CE, UL 61010-1, 61010-2-201	EMS		
Vibration IEC60068-2-6 Green RoHS Compliant Certifications FCC, CE, UL 61010-1, 61010-2-201	Free Fall	IEC60068-2-32	
Green RoHS Compliant Certifications FCC, CE, UL 61010-1, 61010-2-201	Shock		
Certifications FCC, CE, UL 61010-1, 61010-2-201	Vibration	IEC60068-2-6	
, ,	Green	RoHS Compliant	
Warranty 5 Years	Certifications	FCC, CE, UL 61010-1, 61010-2-201	
	Warranty	5 Years	

ORDERING INFO

LNP-1204G-10G-SFP-24

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