

LNP-1002G-10G-SFP

10-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port) and 2*10G SFP+ Slots





Features

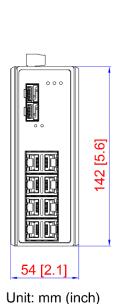
- ➤ Supports 8*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port and 2*10G SFP+ Slots
- ► Store-and-Forward Switching Architecture
- 56Gbps Back-Plane (Switching Fabric)
- ► 16K MAC Address Table
- ▶ 9.6 Kbytes Jumbo Frame Support
- ► Redundant Power Input Design: 48~55VDC
- ► Built-in 1 Relay Output 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

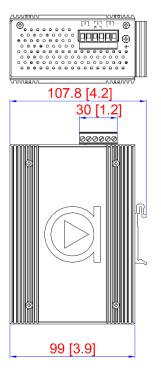
INTRODUCTION

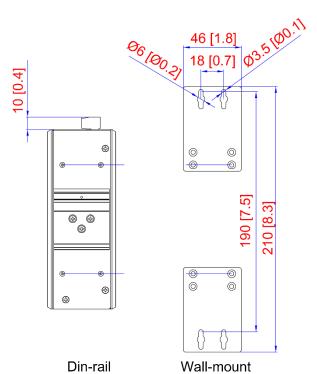
Antaira Technologies' LNP-1002G-10G-SFP are industrial gigabit PoE+ unmanaged Ethernet switches featuring 8*10/100/1000Tx Gigabit Ethernet ports that support IEEE802.3at for a maximum of 30W/port. The LNP-1002G-10G-SFP is designed with 2*10G SFP+ slots that provide options for long-distance fiber connections. These Ethernet switches are designed with high EFT and ESD protection and support standard operating temperatures from -40° to 65°C.

The LNP-1002G-10G-SFP are IP30 rated and DIN-rail mountable. They also provide Ethernet connectivity with PoE functions 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









Technology		
Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet 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): 56.0Gbps	
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	9.6 Kbytes	
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*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: 4-pair UTP/STP Cat.5/5E	

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

Mechanical CharacteristicsHousingMetal, IP30 protectionDimension54 x 142 x 99 mmWeightUnit: 2.39 lbs.; Shipping: 3.01 lbs.MountingDIN-Rail mounting, Wall mountingPower RequirementInput Voltage48~55VDC Redundant InputInput Voltage48~55VDC Redundant InputPower Connection1 removable 6-contact terminal blockRelay Contact24VDC, 1A resistiveOverload Current ProtectionPresentPower Reverse Polarity ProtectionPresentSystem Power Consumption9.3WMax PoE Power Budget240WPoE Power Output30W max. per PoE portEnvironmental LimitsOperating Temperature-40°C to 65°CStorage Temperature-40°C to 65°CAmbient Relative Humidity5 to 95%, (non-condensing)Regulatory ApprovalsFCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class AEMSFCC Part 15 Subpart B Class A, CE EN55035/EN61000-6-2 Class A, IEC61000-4-2,3,4,5,6,8Free FallIEC60068-2-32ShockIEC60068-2-27VibrationIEC60068-2-6GreenRoHS CompliantCertificationsFCC, CE, UL 61010-1, 61010-2-201Warranty5 Years		
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Certifications FCC, CE, UL 61010-1, 61010-2-201	Vibration	IEC60068-2-6
	0.00	•
Warranty 5 Years	Certifications	
	Warranty	5 Years

ORDERING INFO

LNP-1002G-10G-SFP

10-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port) and 2*10G SFP+





LNP-1002G-10G-SFP-24

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





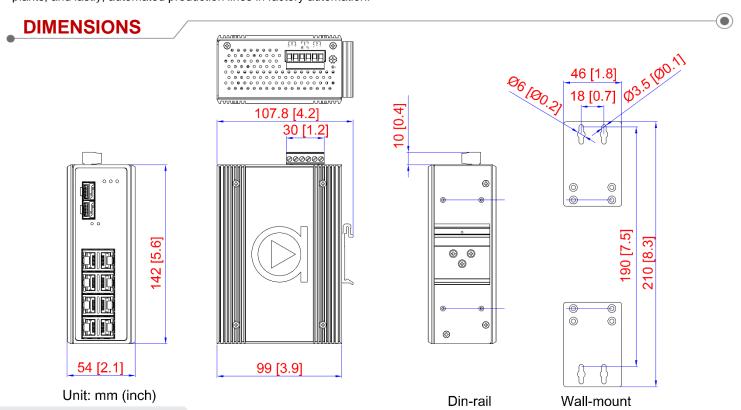
Features

- ➤ Supports 8*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port and 2*10G SFP+ Slots
- ► Store-and-Forward Switching Architecture
- ► 56Gbps 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°~65°C
- ► 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-1002G-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-1002G-10G-SFP-24 is designed with 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-1002G-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.





Technology		
Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet 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): 56.0Gbps	
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	ffer 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*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: 4-pair UTP/STP Cat.5/5E	

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

Mechanical Characteristi	cs
Housing	Metal, IP30 protection
Dimension	54 x 142 x 99 mm
Weight	Unit: 2.5 lbs.; Shipping: 3.12 lbs.
Mounting	DIN-Rail mounting, Wall mounting
Power Requirement	
Input Voltage	12~55VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Relay Contact	24 VDC, 1A resistive
Overload Current Protection	Present
Power Reverse Polarity Protection	Present
System Power Consumption	10.2W
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
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
ЕМІ	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
Warranty	5 Years

ORDERING INFO

LNP-1002G-10G-SFP-24

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



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LNP-1204G-10G-SFP

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





Features

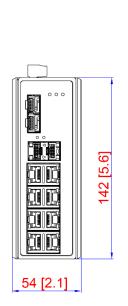
- ➤ Supports 8*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port, 2*1G SFP Slots, and 2*10G SFP+ Slots
- ► Store-and-Forward Switching Architecture
- ► 60Gbps Back-Plane (Switching Fabric)
- ▶ 16K MAC Address Table
- 9.6Kbytes Jumbo Frame Support
- ► Redundant Power Input Design: 48~55VDC
- ► Built-in 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

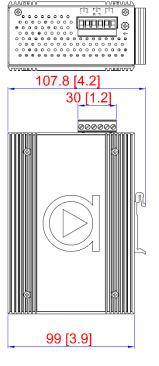
Antaira Technologies' LNP-1204G-10G-SFP are industrial gigabit PoE+ unmanaged Ethernet switches featuring 8*10/100/1000Tx Gigabit Ethernet ports that support IEEE802.3at for a maximum of 30W/port. The LNP-1204G-10G-SFP has 2*1G SFP slots and 2*10G SFP+ slots that provide options for long-distance fiber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

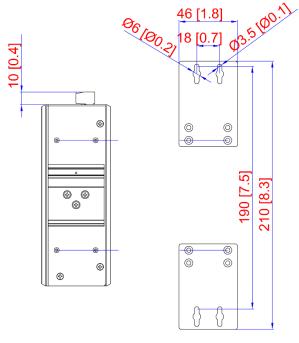
The LNP-1204G-10G-SFP are IP30 rated and DIN-rail mountable. They also provide Ethernet connectivity with PoE functions for outdoor or harsh industrial automation application environments, such as security surveillance, ITS-traffic monitoring systems, oil/gas and mining, facility management for power/utility, water wastewater treatment plants, and lastly, automated production lines in factory automation.

DIMENSIONS



Unit: mm (inch)





Din-rail

Wall-mount



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 IEEE 802.3x Flow Control	
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: 4-pair UTP/STP Cat.5/5E cable EIA/TIA-568 100-ohm (100m)	

Mechanical CharacteristicsHousingMetal, IP30 protectionDimension54 x 142 x 99 mmWeightUnit: 2.52 lbs.; Shipping: 3.13 lbs.MountingDIN-Rail mounting, Wall mountingPower RequirementInput Voltage48~55VDC Redundant InputInput Voltage48~55VDC Redundant InputPower Connection1 removable 6-contact terminal blockRelay Contact24 VDC, 1A resistiveOverload Current ProtectionPresentPower Reverse Polarity ProtectionPresentSystem Power Consumption10.7WMax PoE Power Budget240WPoE Power Output30W max. per PoE portEnvironmental LimitsOperating Temperature-40°C to 65°CStorage Temperature-40°C ~ 85°CAmbient Relative Humidity5 to 95%, (non-condensing)Regulatory ApprovalsFCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class AEMSEC60008-2-32Free FallIEC60068-2-32ShockIEC60068-2-37VibrationIEC60068-2-6GreenRoHS CompliantCertificationsFCC, CE, UL 61010-1, 61010-2-201		
Dimension54 x 142 x 99 mmWeightUnit: 2.52 lbs.; Shipping: 3.13 lbs.MountingDIN-Rail mounting, Wall mountingPower RequirementInput Voltage48~55VDC Redundant InputInput Voltage48~55VDC Redundant InputPower Connection1 removable 6-contact terminal blockRelay Contact24 VDC, 1A resistiveOverload Current ProtectionPresentPower Reverse Polarity ProtectionPresentSystem Power Consumption10.7WMax PoE Power Budget240WPoE Power Output30W max. per PoE portEnvironmental LimitsOperating Temperature-40°C to 65°CStorage Temperature-40°C ~ 85°CAmbient Relative Humidity Regulatory ApprovalsFCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class AEMIFCC Part 15 Subpart B Class A, CE EN55035/EN61000-6-2 Class A, IEC61000-4-2,3,4,5,6,8Free FallIEC60068-2-32ShockIEC60068-2-27VibrationIEC60068-2-6GreenRoHS Compliant	Mechanical Characteristic	cs
Weight Unit: 2.52 lbs.; Shipping: 3.13 lbs. Mounting DIN-Rail mounting, Wall mounting Power Requirement Input Voltage 48~55VDC Redundant Input 1 removable 6-contact terminal block Relay Contact 24 VDC, 1A resistive Overload Current Protection Power Reverse Polarity Protection System Power Consumption 10.7W Max PoE Power Budget 240W 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 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 IEC60068-2-6 Green RoHS Compliant	Housing	Metal, IP30 protection
MountingDIN-Rail mounting, Wall mountingPower Requirement48~55VDC Redundant InputInput Voltage48~55VDC Redundant InputPower Connection1 removable 6-contact terminal blockRelay Contact24 VDC, 1A resistiveOverload Current ProtectionPresentPower Reverse Polarity ProtectionPresentSystem Power Consumption10.7WMax PoE Power Budget240WPoE Power Output30W max. per PoE portEnvironmental LimitsOperating Temperature-40°C to 65°CStorage Temperature-40°C ~ 85°CAmbient Relative Humidity Regulatory Approvals5 to 95%, (non-condensing)EMIFCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A (CE EN55035/EN61000-6-2 Class A, IEC61000-4-2,3,4,5,6,8Free FallIEC60068-2-32ShockIEC60068-2-27VibrationIEC60068-2-6GreenRoHS Compliant	Dimension	54 x 142 x 99 mm
Power Requirement Input Voltage	Weight	Unit: 2.52 lbs.; Shipping: 3.13 lbs.
Input Voltage 48~55VDC Redundant Input Power Connection 1 removable 6-contact terminal block Relay Contact 24 VDC, 1A resistive Overload Current Protection Present Power Reverse Polarity Protection 10.7W System Power Consumption 10.7W Max PoE Power Budget 240W 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 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 IEC60068-2-6 Green RoHS Compliant	Mounting	DIN-Rail mounting, Wall mounting
Power Connection Temovable 6-contact terminal block	Power Requirement	
Power Connection Relay Contact 24 VDC, 1A resistive Overload Current Protection Power Reverse Polarity Protection System Power Consumption Max PoE Power Budget PoE Power Output Environmental Limits Operating Temperature Ambient Relative Humidity Regulatory Approvals EMS FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-2 Class A, IEC61000-4-2,3,4,5,6,8 Free Fall IEC60068-2-32 Shock IEC60068-2-6 Green RoHS Compliant	Input Voltage	48~55VDC Redundant Input
Overload Current ProtectionPresentPower Reverse Polarity ProtectionPresentSystem Power Consumption10.7WMax PoE Power Budget PoE Power Output Environmental Limits240WOperating Temperature Ambient Relative Humidity Regulatory Approvals-40°C to 65°CEMIFCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class AEMSFCC Part 15 Subpart B Class A, CE EN55035/EN61000-6-2 Class A, IEC61000-4-2,3,4,5,6,8Free FallIEC60068-2-32ShockIEC60068-2-27VibrationIEC60068-2-6GreenRoHS Compliant	Power Connection	
Protection Present Power Reverse Polarity Protection Present System Power Consumption 10.7W Max PoE Power Budget PoE Power Output 30W max. per PoE port 240W PoE Power Output 30W max. per PoE port 240°C to 65°C Storage Temperature Ambient Relative Humidity Regulatory Approvals 5 to 95%, (non-condensing) EMI FC 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 IEC60068-2-32 Shock IEC60068-2-6 IEC60068-2-6 Green RoHS Compliant	Relay Contact	24 VDC, 1A resistive
Protection Present System Power Consumption 10.7W Max PoE Power Budget 240W 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		Present
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Operating Temperature -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, CE EN55035/EN61000-6-2 Class A, IEC61000-4-2,3,4,5,6,8 EMS IEC60068-2-32 Shock IEC60068-2-27 Vibration IEC60068-2-6 Green RoHS Compliant	PoE Power Output	30W max. per PoE port
Storage Temperature	Environmental Limits	
Ambient Relative Humidity Regulatory Approvals 5 to 95%, (non-condensing) EMI 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	Operating Temperature	-40°C to 65°C
Regulatory Approvals EMI 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	Storage Temperature	-40°C ~ 85°C
EMI 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	Ambient Relative Humidity	5 to 95%, (non-condensing)
EMI 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	Regulatory Approvals	
IEC61000-4-2,3,4,5,6,8 Free Fall	ЕМІ	
Shock IEC60068-2-27 Vibration IEC60068-2-6 Green RoHS Compliant	EMS	CE EN55035/EN61000-6-2 Class A, IEC61000-4-2,3,4,5,6,8
VibrationIEC60068-2-6GreenRoHS Compliant	Free Fall	IEC60068-2-32
Green RoHS Compliant	Shock	IEC60068-2-27
C.CC.	Vibration	IEC60068-2-6
Certifications FCC, CE, UL 61010-1, 61010-2-201	0.00	
	Certifications	
Warranty 5 Years	Warranty	5 Years

ORDERING INFO

LNP-1204G-10G-SFP

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



lacksquare



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

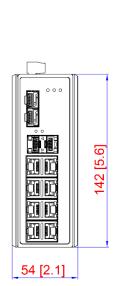
- ➤ Supports 8*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port, 2*1G SFP Slots, and 2*10G SFP+ Slots
- ► Store-and-Forward Switching Architecture
- ► 60Gbps Back-Plane (Switching Fabric)
- ► 16K MAC Address Table
- 9.6Kbytes Jumbo Frame Support
- ► Redundant Power Input Design: 12~55VDC
- ► Built-in 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

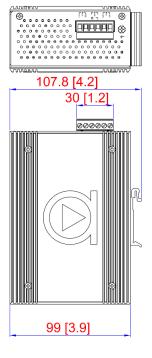
Antaira Technologies' LNP-1204G-10G-SFP-24 are industrial gigabit PoE+ unmanaged Ethernet switches featuring 8*10/100/1000Tx Gigabit Ethernet ports that support IEEE802.3at for a maximum of 30W/port. The LNP-1204G-10G-SFP-24 has 2*1G SFP slots and 2*10G SFP+ slots which provide options for long-distance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

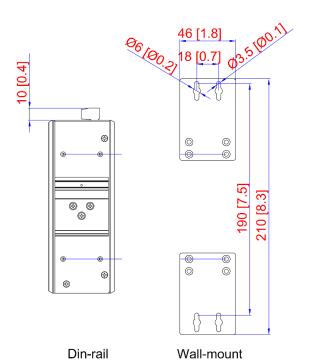
The LNP-1204G-10G-SFP-24 are IP30 rated and DIN-rail mountable. These Ethernet switches are designed to be powered with low voltage input (12~55VDC) while still providing the higher voltages required by the PoE standards. Additionally, these industrial PoE Ethernet switches provide connectivity for outdoor 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)







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)

Mechanical Characteristi	cs
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
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	
Operating Temperature	-40°C to 65°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
ЕМІ	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
Warranty	5 Years

ORDERING INFO

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