

LNP-0500 Series

5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (PSE: 30W/Port) + 1*10/100Tx



Features

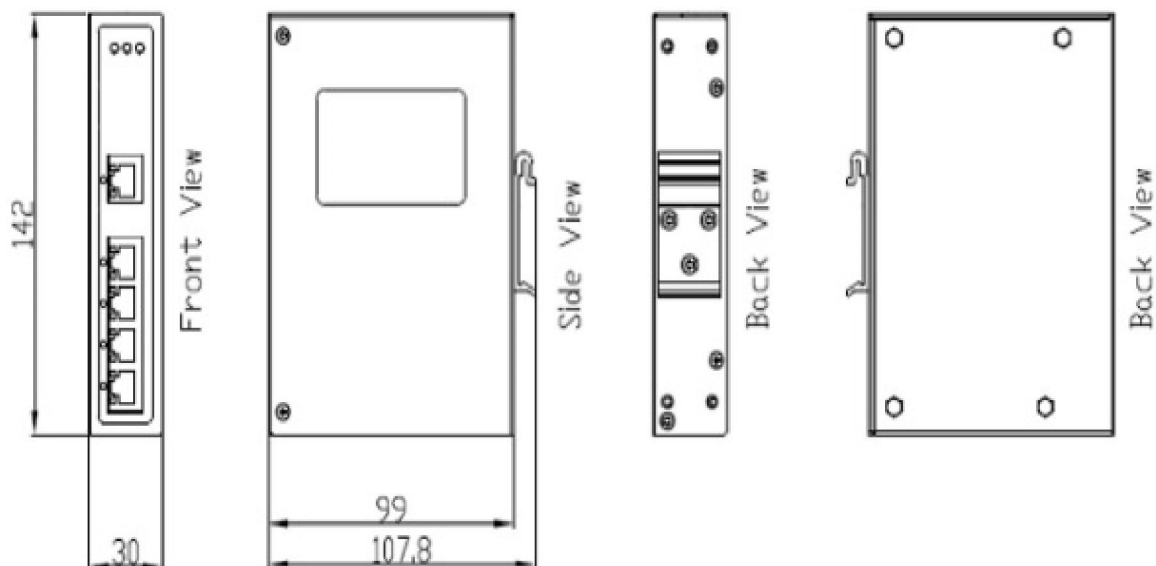
- ▶ 4-Port IEEE 802.3at Compliant PoE+ (30W/Port)
- ▶ 1-Port 10/100Tx Fast Ethernet
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Network Broadcast Storm Protection
- ▶ EFT Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 48~55VDC
- ▶ Built-in 1 relay output for Port Break Alarm
- ▶ IP30 Rugged Aluminum Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range – STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-0500 series is an industrial PoE+ unmanaged Ethernet switch featuring 4*10/100Tx PoE+ ports and 1*10/100Tx fast Ethernet RJ45 port. Each power over Ethernet (PoE+) port supports an IEEE 802.3at high power PoE+ output up to 30W per port, making it ideal for applications that demand a PoE+ power source.

The LNP-0500 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). The series also provides Ethernet connectivity with PoE+ functions for outdoor or harsh industrial application environments, such as, security surveillance, ITS-traffic monitoring systems, facility management for power/utility, water wastewater treatment plants, and lastly, automated production lines in factory automation.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseT Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure IEEE 802.3at PoE (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): 1.0Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Jumbo Frame	-
MAC Table Size	2K
Port Interface	
Ethernet Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 4*10/100Tx (PoE+) + 1*10/100Tx
PoE Port Pin Assignment	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
Mechanical Characteristics	
Housing	Metal IP30 rated
Dimensions	30 x 142 x 99 mm
Weight	Unit: 1.1 lbs Shipping: 1.45 lbs
Mounting	DIN-Rail; Wall-mount (Optional)

Power Requirement	
Input Voltage	48~55VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
PoE Power Output	25W @ 48VDC (per PoE port) 30W @ 51~55VDC (per PoE port)
Power Consumption	110 Watts @ 48VDC 130 Watts @ 51~55VDC
Environmental Limits	
Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°~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 508, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-0500	5-Port Industrial PoE+ Unmanaged Ethernet Switch, w/4*10/100Tx (30W/Port) + 1*10/100Tx
LNP-0500-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, w/4*10/100Tx (30W/Port) + 1*10/100Tx, EOT: -40°~75°C

Optional Accessories

DR-75-48	75W Industrial Single Output DIN-Rail Power Supply – 48VDC / 1.6 Amps
SDR-120-48	120W Industrial Slim High-Efficiency Single Output DIN-Rail Power Supply – 48VDC / 2.5 Amps
SDR-240-48	240W Industrial Slim High-Efficiency Single Output DIN-Rail Power Supply – 48VDC / 5.0 Amps
MDR-60-48	60W Industrial Slim Single Output DIN-Rail Power Supply – 48VDC / 1.25 Amps
DIN-RAIL-10	35mm Steel DIN-Rail Track – 10 Inches Long
DIN-RACK-2U	DIN-Rail to 19" Rack Mount Adapter for all DIN-Rail Mountable Products, 2U Height

LNP-0500-24 Series

5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) and 1*10/100Tx, 12~36VDC Input



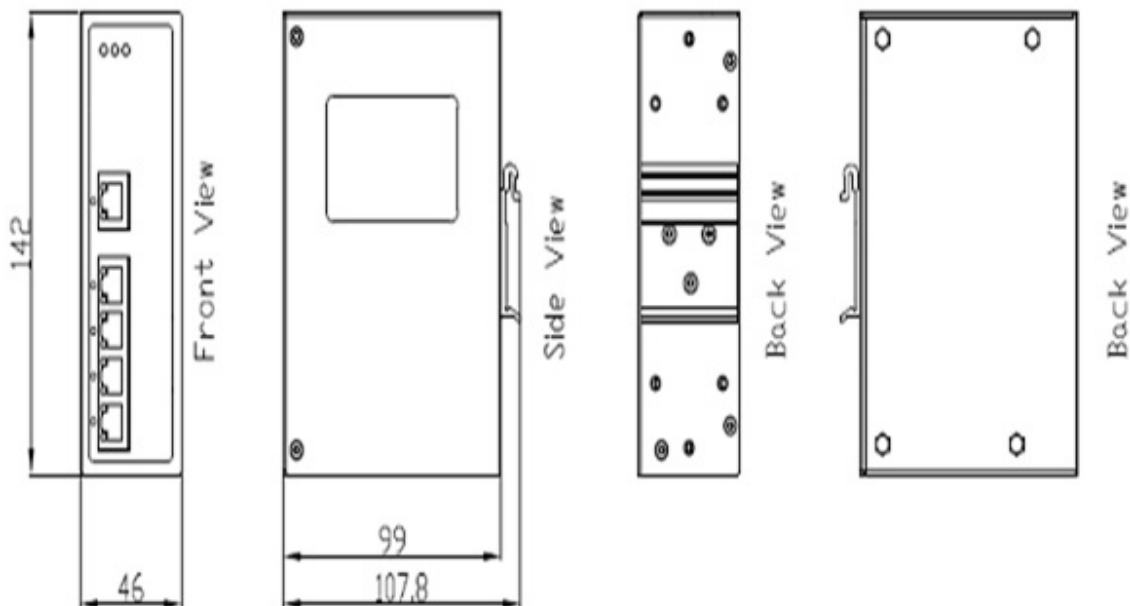
Features

- ▶ Network Broadcast Storm Protection
- ▶ 4-Port IEEE 802.3at Compliant PoE+ Function with 30W/Port
- ▶ 1-Port 10/100Tx Fast Ethernet
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design – 12~36VDC
- ▶ Built-in 1 Relay Output for Port Break Alarm
- ▶ IP30 Rugged Aluminum Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range – STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira's LNP-0500 series switch is a smart 5-port Industrial Unmanaged Ethernet Switch supporting IEEE-802.3at compliance (Power-over-Ethernet Plus) on ports 1 to 4. The switch is classified as power sourcing equipment (PSE), and when used in this way, the LNP-0500 series switch enables centralization of the power supply and provides up to 30 watts of power per port. The LNP-0500 can be used to power IEEE 802.3af or 802.3at compliant power devices (PD), eliminating the need for additional wiring, and support IEEE 802.3/802.3u/802.3x with 10/100BTx, full or half duplex, MDI/MDI-X auto sensing to provide an economical solution for the Industrial Ethernet Network. In addition, the Network Broadcast Storm Protection and built-in relay warning function alerts network engineers when power failures or port breaks occur.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure IEEE 802.3at Power over Ethernet
Processing Type	Store-and-Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
MAC Table Size	2K
Interface	
Ethernet Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 4*10/100Tx (PoE+) + 1*10/100Tx
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
LED Indicators	Power 1, Power 2, and Fault
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	46 x 142 x 99 mm
Weight	Unit: 1.68 lbs Shipping: 2.0 lbs
Mounting	DIN-Rail, Wall Mounting (Optional)

Power Requirement	
Input Voltage	12~36VDC, Redundant Input
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
PoE Power Output	30W @ 53VDC (per PoE port)
Power Consumption	145 Watts @ 12~36VDC
Environmental Limits	
Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°~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 508, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-0500-24	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) and 1*10/100Tx, 12~36VDC Input
LNP-0500-24-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) and 1*10/100Tx, 12~36VDC Input, EOT: -40° to 75°C

Optional Accessories

DR-75-24	75 Watt Industrial Single Output DIN Rail Power Supply - 24 VDC / 3.2 Amps
SDR-120-24	120 Watt Industrial Slim High-Efficiency Single Output DIN Rail Power Supply - 24 VDC / 5.0 Amps
SDR-240-24	240 Watt Industrial Slim High-Efficiency Single Output DIN Rail Power Supply - 24 VDC / 10.0 Amps
DIN-RAIL-10	35mm Steel DIN-Rail Track – 10 Inches Long
DIN-RACK-2U	DIN-Rail to 19" Rack Mount Adapter for all DIN-Rail Mountable Products, 2U Height

LNP-0501 Series

5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (PSE:30W/Port) + 1*100Fx



Features

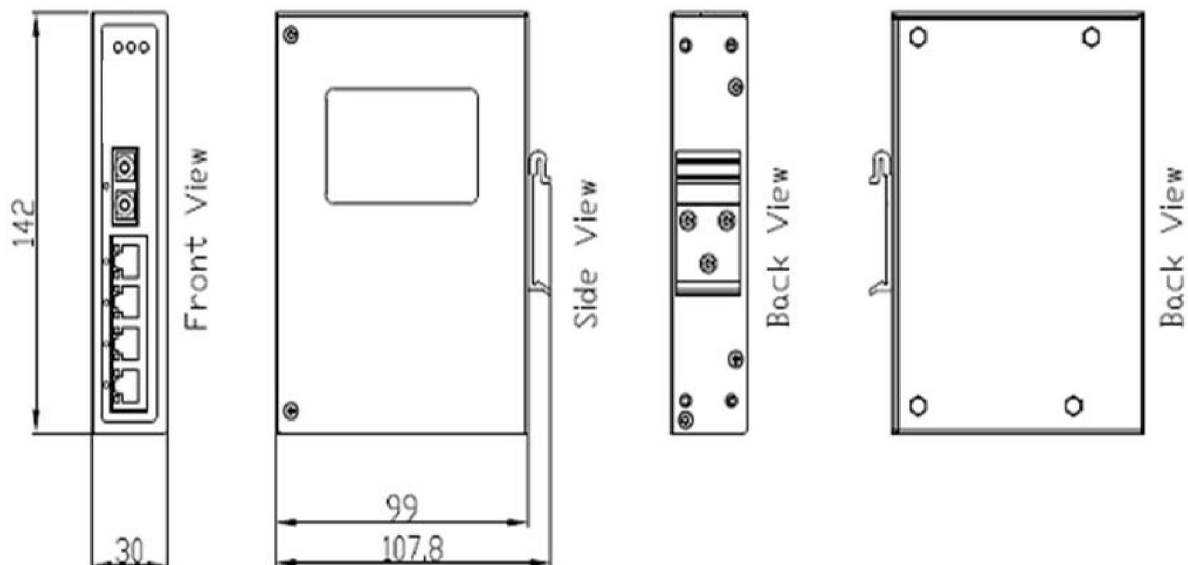
- ▶ 4-Port IEEE 802.3at Compliant PoE+ Function with 30W/Port
- ▶ 1-Port 100Fx SC/ST Type Connector (Multi-mode 2Km, Single-Mode 30Km)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC 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
- ▶ Operating Temperature Range - STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-0501 series is an industrial PoE+ unmanaged Ethernet switch featuring 4*10/100Tx Fast Ethernet RJ45 ports and 1*100Fx fiber port with SC or ST type connectors and an option for multi-mode (2Km) or single-mode (30Km). Each Ethernet port supports an IEEE 802.3at high power PoE+ output up to 30W per port, making it ideal for applications that demand a PoE power source.

The LNP-0501 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). It also provides Ethernet connectivity with PoE functions and a fiber connection 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



SPECIFICATIONS

Technology		Power Requirement	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3at PoE+	Input Voltage & Power Connection	48~55VDC, 6-Pin Terminal Block Redundant Input
Processing Type	Store and Forward	Reverse Polarity Protection	Reverse Polarity Protection
Protocol	CSMA/CD	Overload Current Protection	Present
Flow Control	IEEE 802.3x back pressure flow control	PoE Power Output	25W@48VDC (per PoE port); 30W@51~55VDC (per PoE port)
Switch Properties		Power Consumption	110W@48VDC; 130W@51~55VDC
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps	Environmental Limits	
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port	Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Jumbo Frame	-	Storage Temperature	-40°C ~ 85°C
MAC Table Size	2K	Ambient Relative Humidity	5 to 95%, (non-condensing)
Interface		Regulatory Approvals	
Ethernet Port	4*RJ45 Ports w/10/100Tx (PSE: 30W/Port)	EMI	FCC Class A
Fiber Port	1*100Fx (SC/ST); Multi-mode 2Km, Single-mode 30Km	EMS	IEC6100-4-2,3,4,5,6,8 IEC6100-6-2,4
Wavelength	1310nm	Free Fall	IEC60068-2-32
PoE Pin Out	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI Alternative A	Shock	IEC60068-2-27
Network Cable	10Base Tx: 2-pair UTP/STP Cat. 3,4,5 100Base Tx: 2-pair UTP/STP Cat. 5	Vibration	IEC60068-2-6
Mechanical Characteristics		Green	RoHS Compliant
Housing	Metal, IP30 Protection	Certifications	
Dimensions	30 x 142 x 99 mm	FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01	
Weight	Unit: 1.1 lbs; Shipping: 1.45 lbs	Warranty	
Mounting	DIN-Rail or Wall mounting	5 Years	

ORDERING INFO

LNP-0501-M	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), SC Connector
LNP-0501-M-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), SC Connector; EOT: -40 to 75°C
LNP-0501-ST-M	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), ST Connector
LNP-0501-ST-M-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), ST Connector; EOT: -40 to 75°C
LNP-0501-S3	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), SC Connector
LNP-0501-S3-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), SC Connector; EOT: -40 to 75°C
LNP-0501-ST-S3	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), ST Connector
LNP-0501-ST-S3-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), ST Connector; EOT: -40 to 75°C

Optional Accessories

DR-45-24	45W Industrial Din-Rail Power Supply (24VDC)
DR-75-24	75W Industrial Din-Rail Power Supply (24VDC)
SDR-120-24	120W Industrial Din-Rail Power Supply (24VDC)
SDR-240-24	240W Industrial Din-Rail Power Supply (24VDC)

LNP-0501-24 Series

5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (PSE:30W/Port) + 1*100Fx, 12~36VDC Power Input (Built-in Voltage Booster)



Features

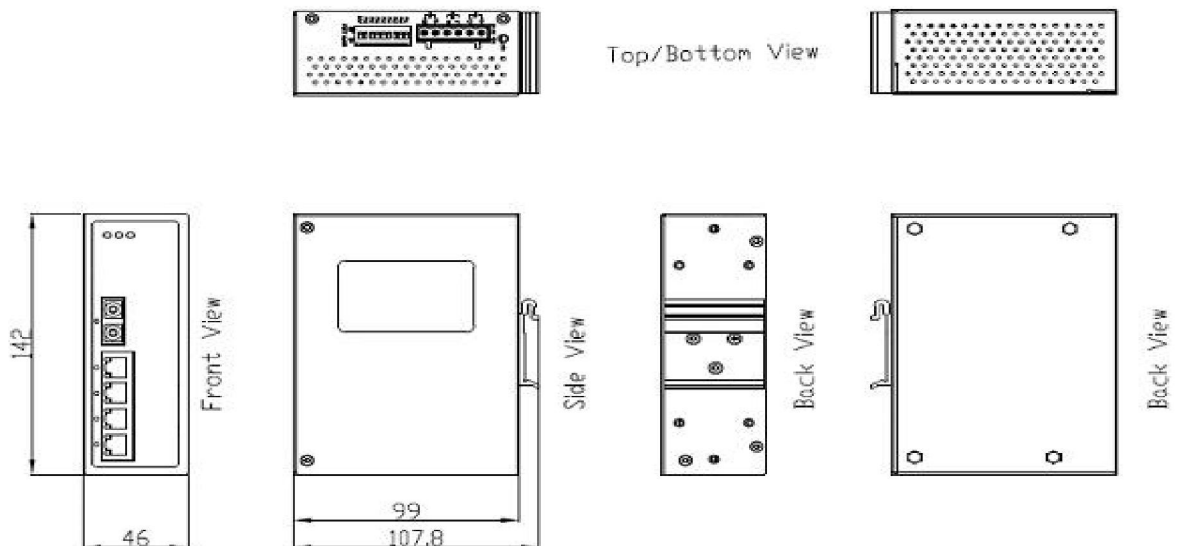
- ▶ 4-Port IEEE 802.3at Compliant PoE+ Function with 30W/Port
- ▶ 1-Port 100Fx SC/ST Type Connector (Multi-mode 2Km, Single-Mode 30Km)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design – 12~36VDC
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range - STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-0501-24 series is an industrial PoE+ unmanaged Ethernet switch featuring 4*10/100Tx Fast Ethernet RJ45 ports and 1*100Fx fiber port with SC or ST type connectors and an option for multi-mode (2Km) or single-mode (30Km). Each Ethernet port supports an IEEE 802.3at high power PoE+ output up to 30W per port, making it ideal for applications that demand a PoE power source. This product series provides a low voltage input range of 12~36VDC with an internal voltage booster to support a 48VDC PoE power output.

The LNP-0501-24 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). It also provides Ethernet connectivity with PoE functions and a fiber connection for mobile surveillance applications utilizing a low voltage power source as a battery, and for any other industrial automation field sites needing a 24VDC power source, such as, security surveillance, 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



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3at PoE+
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): 1.0Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Jumbo Frame	-
MAC Table Size	2K
Interface	
Ethernet Port	4*RJ45 Ports w/10/100Tx (PSE: 30W/Port)
Fiber Port	1*100Fx (SC/ST); Multi-mode 2Km, Single-mode 30Km
Wavelength	1310nm
PoE Pin Out	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI Alternative A
Network Cable	10Base Tx: 2-pair UTP/STP Cat. 3,4,5 100Base Tx: 2-pair UTP/STP Cat. 5
Mechanical Characteristics	
Housing	Metal, IP30 Protection
Dimensions	46 x 142 x 99 mm
Weight	Unit: 1.68 lbs; Shipping: 2.0 lbs
Mounting	DIN-Rail or Wall mounting

Power Requirement	
Input Voltage & Power Connection	12~36VDC, 6-Pin Terminal Block Redundant Input
Reverse Polarity Protection	Present
Overload Current Protection	Present
PoE Power Output	Max. 30W per port
Power Consumption	145W @12~36VDC
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	IEC6100-4-2,3,4,5,6,8 IEC6100-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-0501-M-24	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), SC Connector, 12~36VDC Input
LNP-0501-M-24-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), SC Connector, 12~36VDC Input; EOT: -40 to 75°C
LNP-0501-ST-M-24	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), ST Connector, 12~36VDC Input
LNP-0501-ST-M-24-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), ST Connector, 12~36VDC Input; ; EOT: -40 to 75°C
LNP-0501-S3-24	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), SC Connector, 12~36VDC Input
LNP-0501-S3-24-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), SC Connector, 12~36VDC Input; EOT: -40 to 75°C
LNP-0501-ST-S3-24	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), ST Connector, 12~36VDC Input
LNP-0501-ST-S3-24-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), ST Connector, 12~36VDC Input; EOT: -40 to 75°C

Optional Accessories

DR-45-24	45W Industrial Din Rail Power Supply (24VDC)
DR-75-24	75W Industrial Din Rail Power Supply (24VDC)
SDR-120-24	120W Industrial Din Rail Power Supply (24VDC)
SDR-240-24	240W Industrial Din Rail Power Supply (24VDC)

LNP-0602 Series

6-Port Industrial PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx (SC or ST)



Features

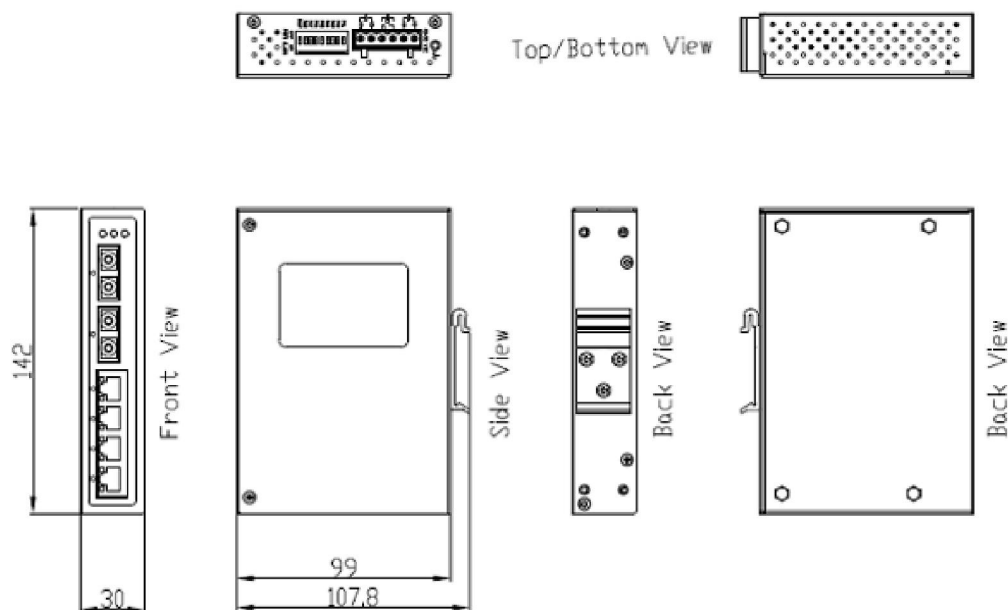
- ▶ 4-Ports 10/100Tx IEEE 802.3at Compliant PoE+ (30W/Port)
- ▶ 2-Ports 100Fx SC/ST Type Connector (Multi / Single-Mode)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Network Broadcast Storm Protection
- ▶ EFT Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 48~55VDC
- ▶ Built-in 1 relay output for Port Break Alarm
- ▶ IP30 Rugged Aluminum Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range - STD: -10° to 70° C, EOT: -40° to 75° C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-0602 series is a 6-port industrial PoE+ unmanaged Ethernet switch embedded with 4*10/100Tx Ethernet ports that support IEEE 802.3at/af for a maximum of 30W per port and 2*100Fx fiber ports (SC or ST connector) fiber ports with optional versions for multi-mode (2Km) and single-mode (30Km).

The LNP-0602 series is IP30 rated, DIN-rail mountable, and supports 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) perfect for outdoor or harsh industrial application environments. The LNP-0602 series can be used in a variety of PoE applications, such as, security surveillance, ITS-traffic monitoring systems, facility management for power/utility, water wastewater treatment plants, or automated production lines in factory automation.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure IEEE 802.3at 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): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes
Transfer Rate	14,880pps for 10Base-T Ethernet port 148,880pps for 100Base-T Fast Ethernet port
Jumbo Frame	-
MAC Table	8K
Port Interface	
Ethernet RJ45 Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 4*10/100Tx (PoE+) + 1*10/100Tx
Fiber Port	2*100Fx SC/ST type connector Multi-mode (2Km) - 50/125um ~ 62.5/125um, Single-mode (30Km) - 9/125um ~ 10/125um
PoE Port Pin Assignment	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
Mechanical Characteristics	
Housing	Metal IP30 rated
Dimensions	30 x 142 x 99 mm
Weight	Unit: 1.1 lbs; Shipping: 1.45 lbs
Mounting	DIN-Rail; Wall-mounting (included)

Power Requirement	
Input Voltage & Power Connection	48~55VDC Redundant Input w/ removable 4-contact terminal block
Reverse Polarity Protection	Present
PoE Power Output	25W @ 48VDC (per PoE port); 30W @ 51~55VDC (per PoE port)
Power Consumption	110 Watts @ 48VDC 130 Watts @ 51~55VDC
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 EN6100-4-2 EN6100-4-3 EN6100-4-4 EN6100-4-5 EN6100-4-6 EN6100-4-8 EN6100-6-2 EN6100-6-4
EMS	
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-0602-M	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Multi-mode Fiber (2Km), SC connector
LNP-0602-M-T	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Multi-mode Fiber (2Km), SC connector; EOT: -40° to 75° C
LNP-0602-ST-M	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Multi-mode Fiber (2Km), ST connector
LNP-0602-ST-M-T	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Multi-mode Fiber (2Km), ST connector; EOT: -40° to 75° C
LNP-0602-S3	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Single-mode Fiber (30Km), SC connector
LNP-0602-S3-T	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Single-mode Fiber (30Km), SC connector; EOT: -40° to 75° C
LNP-0602-ST-S3	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Single-mode Fiber (30Km), ST connector
LNP-0602-ST-S3-T	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Single-mode Fiber (30Km), ST connector; EOT: -40° to 75° C
Optional Accessories	
DR-75-48	75W Industrial Din Rail Power Supply
SDR-120-48	120W Industrial Din Rail Power Supply
SDR-240-48	240W Industrial Din Rail Power Supply

LNP-0702C-SFP Series

7-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 4*100/100Tx (30W per Port), 1*10/100Tx + 2*100/1000 SFP Slots



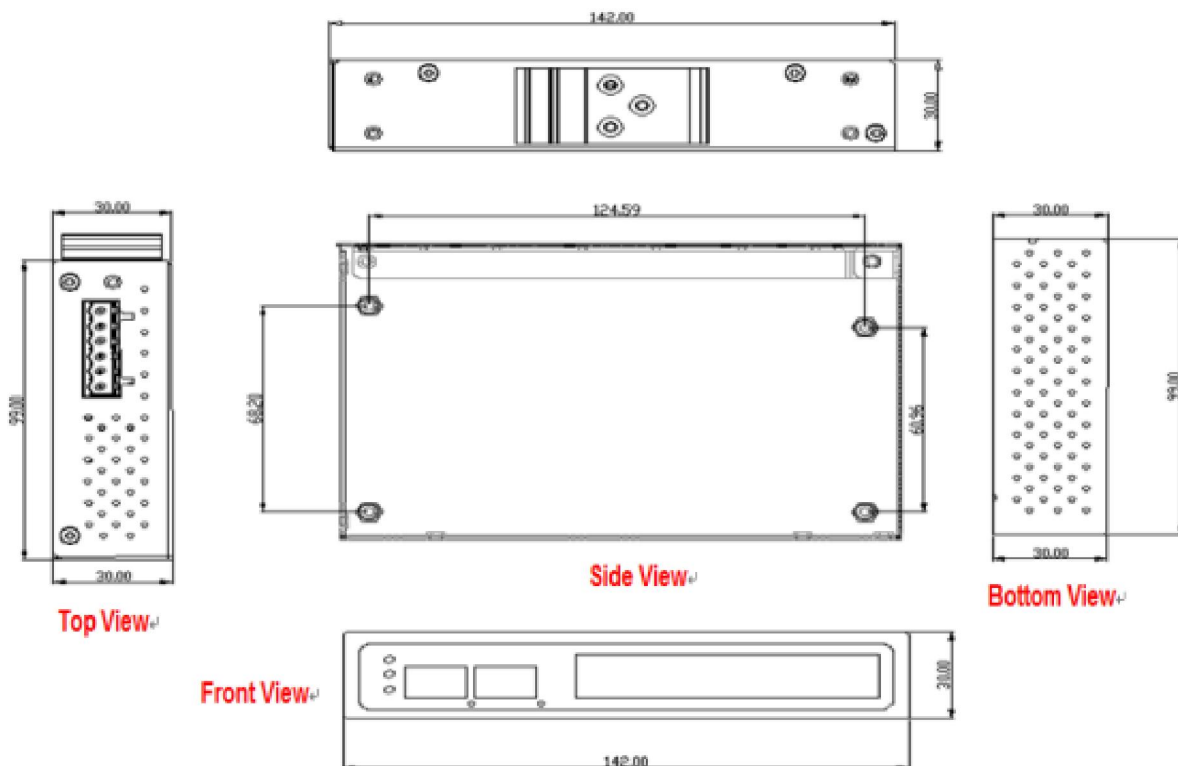
Features

- ▶ Supports 4-Port 10/100Tx IEEE 802.3at PoE+ Compliant with 30W per Port, 1-Port 10/100Tx and 2-Port 100/1000 SFP Slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 10Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC 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
- ▶ Operating Temperature Range - STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-0702C-SFP series industrial PoE+ gigabit unmanaged Ethernet switch features five 10/100Tx ports, four of which support IEEE 802.3at high power PoE (30W/Port), and two dual rate 100/1000Fx SFP slots. This product series provides high EFT and ESD protection to protect against unregulated voltage. It also provides wide operation temperature models for standard: -10° to 70°C and extended: -40° to 75°C. The LNP-0702C-SFP series is an ideal solution for harsh environments and industrial applications.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3z Gigabit Fiber IEEE 802.3at PoE+
Processing Type Protocol	Store and Forward CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 10Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Jumbo Frame	-
MAC Table Size	8K
Interface	
Ethernet Port	5*RJ45 Ports w/ 4*10/100Tx (PSE 30W/Port), and 1*10/100Tx
Fiber Port	2*100/1000 SFP Slot
PoE Pin Out	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI Alternative A
Network Cable	10Base Tx: 2-pair UTP/STP Cat. 3,4,5 100Base Tx: 2-pair UTP/STP Cat. 5
Power Requirements	
Input Voltage	48~55VDC, Redundant Input
Overload Current Protection	Present
Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Yes
Power Consumption	110 Watts @ 48V 130 Watts @ 51-55V (Full Load)
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	30 x 99 x 142 mm (W*D*H)
Weight	Unit 1.3 lbs. Shipping Weight 1.7 lbs.
Mounting	DIN-Rail, wall mounting (optional)
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	EN61000-4-2,3,4,5,6,8, EN61000-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-0702C-SFP	7-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 4*10/100Tx (30W/Port), 1*10/100Tx + 2*100/1000 SFP Slot
LNP-0702C-SFP-T	7-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 4*10/100Tx (30W/Port), 1*10/100Tx + 2*100/1000 SFP Slot: EOT: -40° to 75°C
Optional Accessories	
DR-75-48	75W Industrial Din Rail Power Supply, 48VDC
DR-120-48	120W Industrial Din Rail Power Supply, 48VDC
MDR-100-48	100W Industrial Single Output Miniature DIN Rail Power Supply, 48VDC
SDR-240-48	240W Industrial Slim & High Efficiency DIN Rail Power Supply with PFC Function, 48VDC

LNP-0702C-SFP-24 Series

7-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 4*10/100Tx (30W per Port), 1*10/100Tx and 2*100/1000 SFP Slots; 12~36VDC Power Input



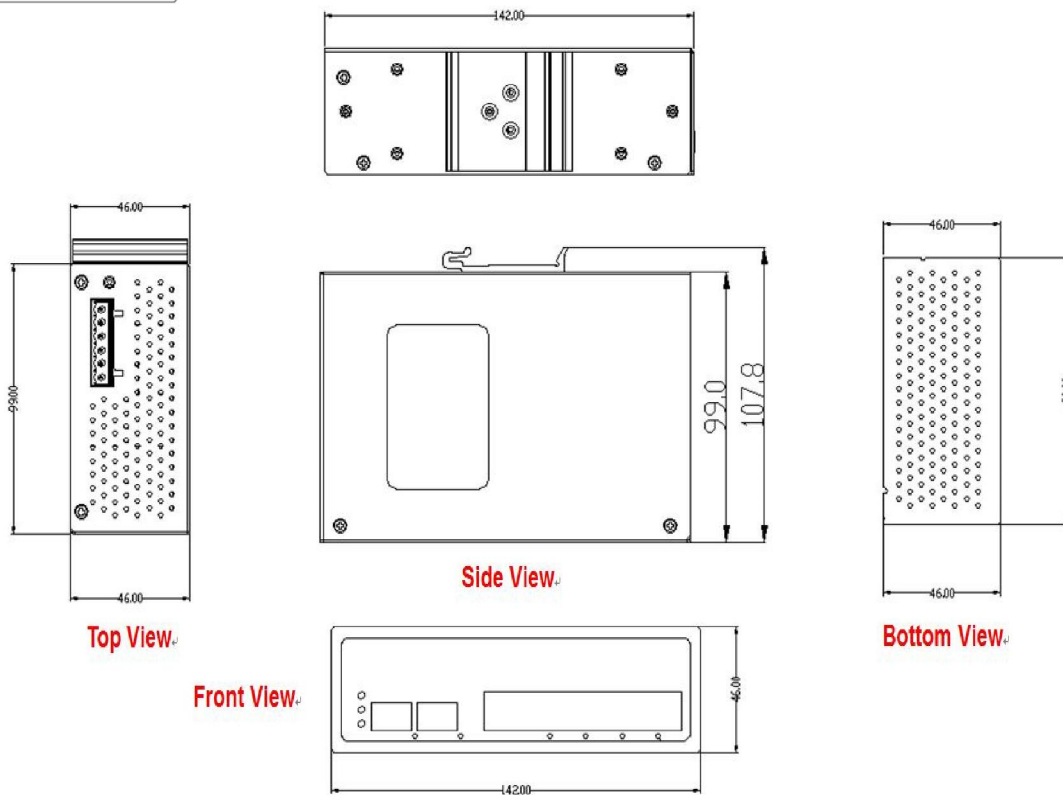
Features

- ▶ Supports 4-Port 10/100Tx IEEE 802.3at PoE+ Compliant with 30W per Port, 1-Port 10/100Tx and 2-Port 100/1000 SFP Slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 10Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~36VDC (with voltage booster)
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range - STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-0702C-SFP-24 series industrial gigabit unmanaged Ethernet switch features five 10/100Tx ports, four of which support IEEE 802.3at high power PoE (30W/Port), and two dual rate 100/1000Fx SFP slots. This product series provides high EFT and ESD protection to protect against unregulated voltage. It also provides two operational temperature models for either standard temperature: -10° to 70°C or extended temperature: -40° to 75°C. The LNP-0702C-SFP series also supports a low voltage power input range of 12~36VDC. It is an ideal solution for harsh environments and industrial applications.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3z Gigabit Fiber IEEE 802.3at PoE+
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): 10Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
Interface	
Ethernet Port	5*RJ45 Ports w/ 4*10/100Tx (PSE 30W/Port), and 1*10/100Tx
Fiber Port	2*100/1000 SFP Slots
PoE Pin Out	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI Alternative A
Network Cable	10Base Tx: 2-pair UTP/STP Cat. 3,4,5 100Base Tx: 2-pair UTP/STP Cat. 5
Power Requirements	
Input Voltage	12~36VDC, Redundant Input (with voltage booster)
Overload Current Protection	Present
Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Yes
Power Consumption	145 Watts Max (Full Load w/ PoE)
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	46 x 99 x 142mm (W*D*H)
Weight	Unit 1.4lbs. Shipping Weight 1.8 lbs.
Mounting	DIN-Rail, wall mounting (optional)
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	EN61000-4-2,3,4,5,6,8, EN6100-06-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-0702C-SFP-24	7-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 4*10/100Tx (30W/Port), 1*10/100Tx + 2*100/1000 SFP Slot; 12~36VDC input
LNP-0702C-SFP-24-T	7-Port Industrial Gigabit Unmanaged Ethernet Switch, w/ 4*10/100Tx (30W/Port), 1*10/100Tx + 2*100/1000 SFP Slot; 12~36VDC input, EOT: -40° to 75°C
Optional Accessories	
DR-60-24	60W Industrial Din Rail Power Supply, 24VDC
DR-75-24	75W Industrial Din Rail Power Supply, 24VDC
DR-100-24	100W 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

LNP-0800 Series

Features

8-Port Industrial PoE+ Unmanaged Ethernet Switch with 8*10/100Tx (30W/Port)



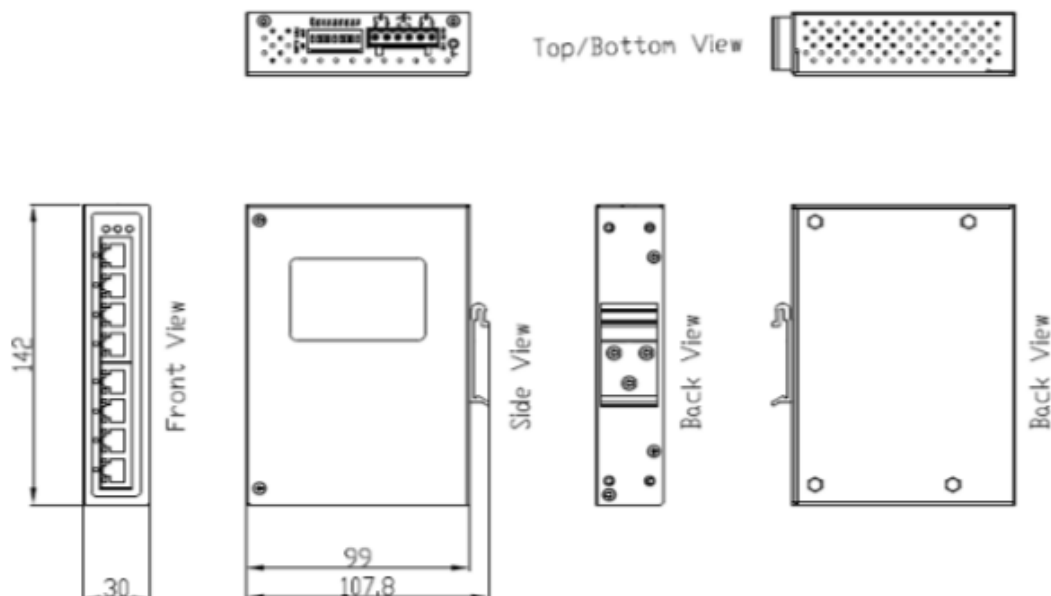
- ▶ 8-Port IEEE 802.3at compliant PoE+ (30W/Port)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Network Broadcast Storm Protection
- ▶ EFT Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 48~55VDC
- ▶ Built-in 1 relay output for Port Break Alarm
- ▶ IP30 Rugged Aluminum Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range - STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-0800 series is an industrial PoE+ unmanaged Ethernet switch featuring 8*10/100Tx PoE+ ports. Each power over Ethernet (PoE+) port supports an IEEE 802.3at high power PoE+ output up to 30W per port, making it ideal for applications that demand a PoE+ power source.

The LNP-0800 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). The series provides Ethernet connectivity with PoE+ functions ideal for outdoor or harsh industrial application environments, such as, security surveillance, ITS-traffic monitoring systems, facility management for power/utility, water wastewater treatment plants, and automated production lines in factory automation.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure IEEE 802.3at 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): 1.0Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Jumbo Frame	-
MAC Table	2K
Interface	
Ethernet RJ45 Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 8*10/100Tx (PoE+)
Fiber Port	-
PoE Port Pin Assignment	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
Protection	
Housing	Metal IP30 rated
Dimensions	30 x 142 x 99 mm
Weight	Unit: 1.1 lbs; Shipping: 1.45 lbs
Mounting	DIN-Rail; Wall-mounting (included)

Power Requirement	
Input Voltage & Power Connection	48~55VDC, Redundant Input w/ removable 4-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Slow-Blown Fuse
PoE Power Output	25W @ 48VDC (per PoE port) 30W @ 51~55VDC (per PoE port)
Power Consumption	210 Watts @ 48VDC 250 Watts @ 51~55VDC
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 508, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-0800	8-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 8*10/100Tx (30W/Port)
LNP-0800-T	8-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 8*10/100Tx (30W/Port), EOT: -40° to 75°C
Optional Accessories	
DR-75-48	75W Industrial DIN-Rail Power Supply
SDR-120-48	120W Industrial DIN-Rail Power Supply
SDR-240-48	240W Industrial DIN-Rail Power Supply
SDR-480-48	480W Industrial DIN-Rail Power Supply

LNP-0800-24 Series

Features

8-Port Industrial PoE+ Unmanaged Ethernet Switch with 8*10/100Tx (30W/Port), 12~36VDC Power Input



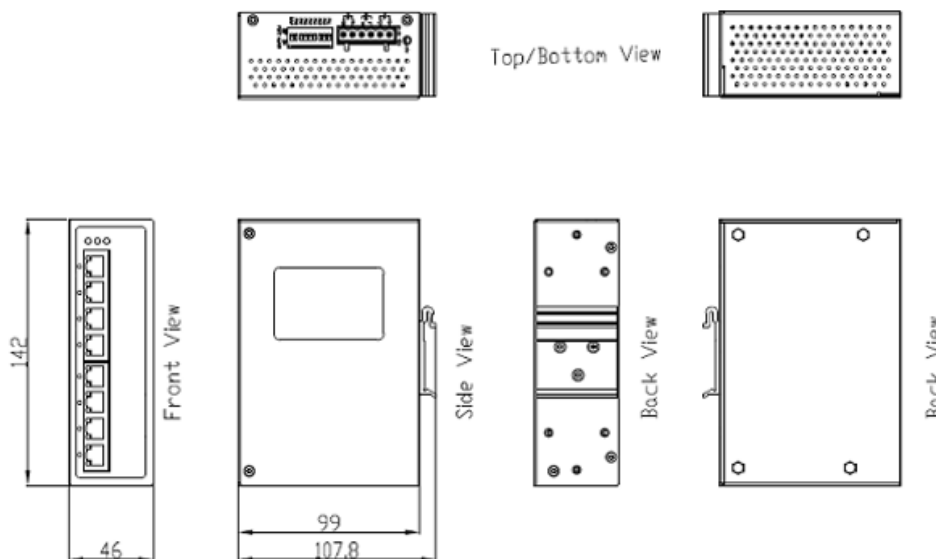
- ▶ 8-Port IEEE 802.3at compliant PoE+ (30W/Port)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Network Broadcast Storm Protection
- ▶ EFT Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~36VDC
- ▶ Built-in 1 Relay Output for Port Break Alarm
- ▶ IP30 Rugged Aluminum Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature range - STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-0800-24 series is an industrial PoE+ unmanaged Ethernet switch featuring 8*10/100Tx PoE+ ports. Each power over Ethernet (PoE+) port supports an IEEE 802.3at high power PoE+ output up to 30W per port, making it ideal for applications that demand a PoE power source.

The LNP-0800-24 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). The series provides Ethernet connectivity with PoE+ functions ideal for outdoor or harsh industrial application environments, such as, security surveillance, ITS-traffic monitoring systems, facility management for power/utility, water wastewater treatment plants, and automated production lines in factory automation.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure IEEE 802.3at 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): 1.0Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Jumbo Frame	-
MAC Table	2K
Port Interface	
Ethernet RJ45 Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 8*10/100Tx (PoE+)
Fiber Port	-
PoE Port Pin Assignment	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
Mechanical Characteristics	
Housing	Metal IP30 rated
Dimensions	46 x 142 x 99 mm
Weight	Unit: 1.68 lbs; Shipping: 2.0 lbs
Mounting	DIN-Rail; Wall-mount (optional)

Power Requirement	
Input Voltage & Power Connection	12~36VDC, Redundant Input w/ removable 4-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Slow-Blown Fuse
PoE Power Output	30W @ 53VDC (per PoE port)
Power Consumption	210 Watts @ 12VDC 250 Watts @ 24~36VDC
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 508, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-0800-24	8-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 8*10/100Tx (30W/Port), 12~36VDC Input
LNP-0800-24-T	8-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 8*10/100Tx (30W/Port), 12~36VDC Input EOT: -40° to 75°C

Optional Accessories

DR-45-24	45W Industrial DIN-Rail Power Supply
DR-75-24	75W Industrial DIN-Rail Power Supply
SDR-120-24	120W Industrial DIN-Rail Power Supply
SDR-240-24	240W Industrial DIN-Rail Power Supply

LNP-0800-60-24 Series

8-Port Industrial PoE+/4PPoE Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) and 4*10/100Tx (60W/Port), 12~36VDC Power Input



Features

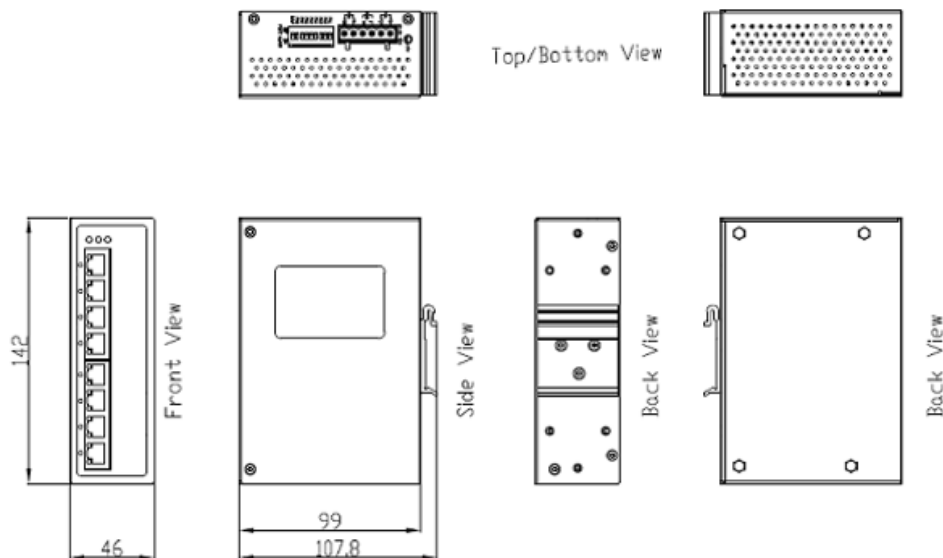
- ▶ 4-Port IEEE 802.3bt Compliant 4PPoE (60W/Port)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Network Broadcast Storm Protection
- ▶ EFT Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~36VDC
- ▶ Built-in 1 Relay Output for Port Break Alarm
- ▶ IP30 Rugged Aluminum Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range (- STD): -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-0800-60-24 series is an industrial 4PPoE unmanaged Ethernet switch featuring 4*10/100Tx 4PPoE Type 3 ports and 4*10/100Tx PoE+. Ports 1-4 support an IEEE 802.3bt Type 3 high power 4PPoE output up to 60W per port, ports 5-8 support an IEEE 802.3at PoE+ output up to 30W per port.

The LNP-0800-60-24 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). The series provides Ethernet connectivity with 4PPoE / PoE+ functions ideal for outdoor or harsh industrial application environments, such as, security surveillance, ITS-traffic monitoring systems, facility management for power/utility, water wastewater treatment plants, and automated production lines in factory automation.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure IEEE 802.3bt 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): 1.0Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
MAC Table	2K
Port Interface	
Ethernet RJ45 Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 8*10/100Tx
PoE Port Pin Assignment	V+ for pin 3, 4, 5, 6 V- for pin 1, 2, 7, 8
Mechanical Characteristics	
Housing	Metal IP30 rated
Dimensions	46 x 142 x 99 mm
Weight	Unit: 1.68 lbs; Shipping: 2.0 lbs
Mounting	DIN-Rail; Wall-mount (optional)

Power Requirement	
Input Voltage & Power Connection	12~36VDC, Redundant Input w/ removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Slow-Blown Fuse
PoE Power Output	Up to 60W @ 53VDC (port 1-4) Up to 30W @ 53VDC (port 5-8)
Power Consumption	210 Watts @ 12VDC 250 Watts @ 24~36VDC
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
Warranty	5 Years

ORDERING INFO

LNP-0800-60-24	8-Port Industrial PoE+/4PPoE Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) and 4*10/100Tx (60W/Port), 12~36VDC Power Input
LNP-0800-60-24-T	8-Port Industrial PoE+/4PPoE Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) and 4*10/100Tx (60W/Port), 12~36VDC Power Input, EOT: -40° to 75°C

LNP-0802-24 Series

8-Port Industrial PoE+ Unmanaged Ethernet Switch, with 6*10/100Tx (30W/Port) and 2*100Fx, 12~36VDC Power Input



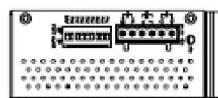
Features

- ▶ Network Broadcast Storm Protection
- ▶ 6-Port IEEE 802.3at Compliant PoE+ Function with 30W/Port
- ▶ 2-Port 100Fx SC/ST Type Connector (Multi / Single Mode)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Function Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design – 12~36VDC
- ▶ Built-in 1 Relay Output for Port Break Alarm
- ▶ IP30 Rugged Aluminum Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range – STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

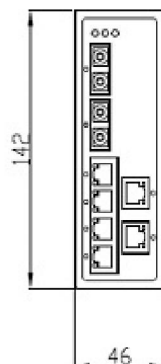
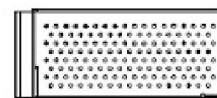
INTRODUCTION

Antaira Technologies' LNP-0802-24 series switch is a smart 8-port Industrial Unmanaged Ethernet Switch that supports IEEE-802.3at (Power-over-Ethernet Plus) on ports 1 to 6. The switch comes with 2 x 100Fx ports with SC or ST type connectors and supports Multi-mode in 2Km, or Single-mode in 30Km. The LNP-0802-24 series switch 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. The LNP-0802-24 series provides up to 30 watts of power per port. This switch can be used to power IEEE 802.3af or 802.3at compliant power devices (PD), eliminating the need for additional wiring, and supports IEEE 802.3/802.3u/802.3x with 10/100BTx, full or half duplex, and MDI/MDI-X auto sensing to provide an economical solution for the Industrial Ethernet Network. In addition, the Network Broadcast Storm Protection and built-in relay warning function alerts network engineers when power failures or port breaks occur.

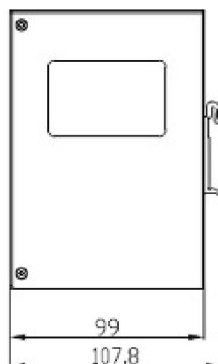
DIMENSIONS



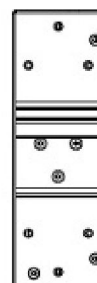
Top/Bottom View



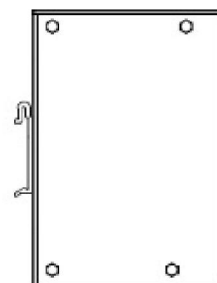
Front View



Side View



Back View



Back View

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure IEEE 802.3at Power over Ethernet
Processing Type	Store-and-Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
MAC Table Size	2K
Interface	
Ethernet Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 6*10/100Tx (PoE+)
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
Fiber Port	2*100Fx SC/ST type connector Multi-mode (2Km) - 50/125um ~ 62.5/125um, Single-mode (30Km) - 9/125um ~ 10/125um
Wavelength	1310nm (Multi-mode and Single-mode)
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	46 x 142 x 99 mm
Weight	Unit: 1.7 lbs Shipping: 2.1 lbs
Mounting	DIN-Rail, Wall mounting (Optional)

Power Requirement	
Input Voltage	12~36VDC, Redundant Input
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
Power Consumption	145 Watts @ 12VDC; 200 Watts @ 24VDC
Environmental Limits	
Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°~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 Shock	IEC60068-2-32 IEC60068-2-27
Vibration Green	IEC60068-2-6 RoHS Compliant
Certifications	FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-0802-M-24	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx (SC) Multi-mode 2Km, 12~36VDC Input
LNP-0802-M-24-T	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx (SC) Multi-mode 2Km, 12~36VDC Input; EOT: -40°~75°C
LNP-0802-ST-M-24	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx (ST) Multi-mode 2Km, 12~36VDC Input
LNP-0802-ST-M-24-T	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx (ST) Multi-mode 2Km, 12~36VDC Input; EOT: -40°~75°C
LNP-0802-S3-24	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx Single-mode 30Km, 12~36VDC Input
LNP-0802-S3-24-T	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx Single-mode 30Km, 12~36VDC Input; EOT: -40°~75°C
LNP-0802-ST-S3-24	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx Single-mode (ST) 30Km, 12~36VDC Input
LNP-0802-ST-S3-24-T	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx Single-mode (ST) 30Km, 12~36VDC Input; EOT: -40°~75°C

Optional Accessories

DR-45-24	45 Watt Series Industrial Single Output DIN-Rail Power Supply - 24 VDC / 2.0 Amps
DR-75-24	75 Watt Industrial Single Output DIN-Rail Power Supply - 24 VDC / 3.2 Amps
SDR-120-24	120 Watt Industrial Slim High-Efficiency Single Output DIN-Rail Power Supply - 24 VDC / 5.0 Amps
SDR-240-24	240 Watt Industrial Slim High-Efficiency Single Output DIN-Rail Power Supply - 24 VDC / 10.0 Amps

LNP-0802C-SFP-24 Series

8-Port Industrial PoE+ Gigabit Unmanaged Switch, w/6*10/100Tx (30W per Port), 2*Gigabit Combo Ports (2*10/100/1000Tx-RJ45, and 2*100/1000 SFP Slots); 12~36VDC (Voltage Booster)



Features

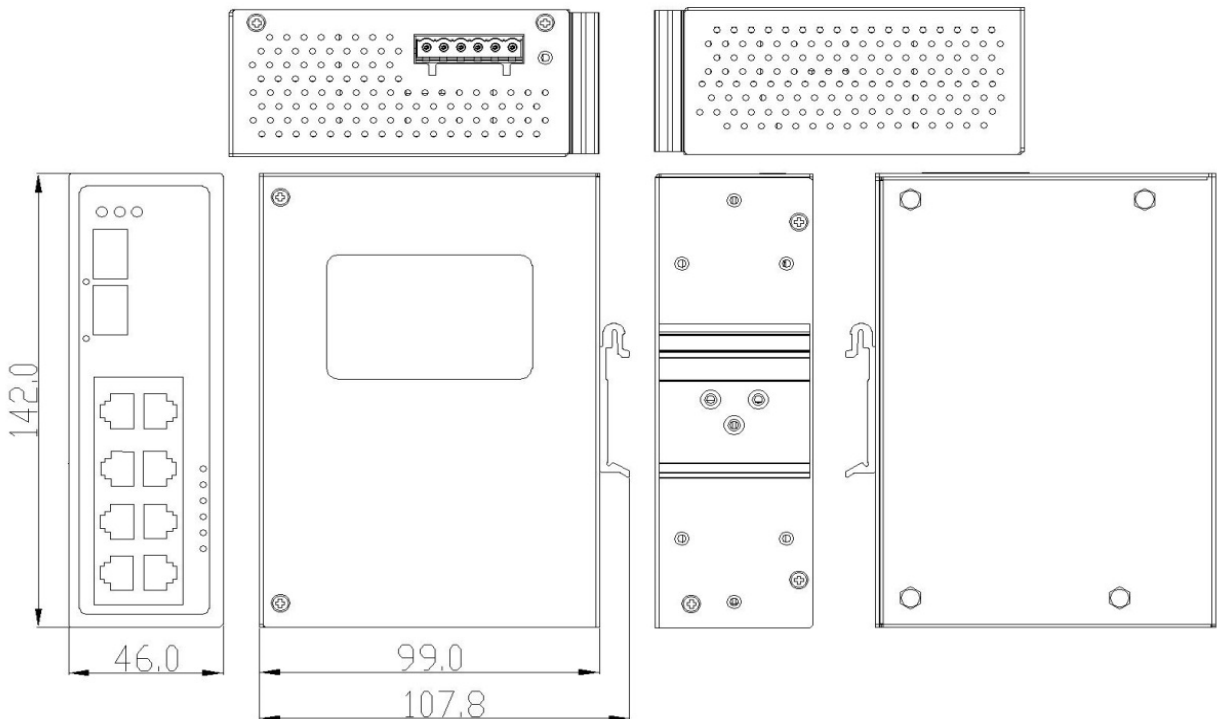
- ▶ Supports 6-Port 10/100Tx IEEE 802.3at PoE+ Compliant with 30W per Port, 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 8K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~36VDC (Voltage Booster)
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range - STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-0802C-SFP-24 series industrial PoE+ Gigabit unmanaged Ethernet switch series is IP30 rated and DIN-Rail mountable. It comes with 6*10/100Tx Ethernet ports which support IEEE 802.3at with high power PoE up to 30W per port, and 2*GigE combo ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP slots for fiber).

It provides a high EFT and ESD protection and a dual power input with a low booster voltage power input (12~36VDC). It also provides reverse power polarity protection. In addition, the built-in relay warning function alerts maintainers when power failures occur. There is a wide operating temperature model that supports from -40° to 75°C. This series is a perfectly designed product to fulfill special needs for industrial automation, outdoor and harsh weather environment applications.

DIMENSIONS



SPECIFICATIONS

Technology		Mechanical Characteristics	
Standards	IEEE 802.3 10BaseTx Ethernet	Housing	Metal, IP30 protection
	IEEE 802.3u 100BaseTx Fast Ethernet	Dimensions	46 x 99 x 142 mm (W*D*H)
	IEEE 802.3ab 1000BaseTx	Weight	Unit 1.5lbs.
	IEEE 802.3z Gigabit Fiber		Shipping Weight 2.0 lbs.
	IEEE 802.3at PoE+	Mounting	DIN-Rail, wall mounting (optional)
Processing Type	Store and Forward	Environmental Limits	
Protocol	CSMA/CD	Operating Temperature	STD: -10° to 70° C EOT: -40° to 75° C
Flow Control	IEEE 802.3x back pressure flow control	Storage Temperature	-40°C ~ 85°C
Switch Properties		Ambient Relative Humidity	5 to 95%, (non-condensing)
Transfer Rate	14,880pps for Ethernet Port	Regulatory Approvals	
	148,800pps for Fast Ethernet Port	EMI	FCC Class A
	1,488,000pps for Gigabit Ethernet Port	EMS	EN61000-4-2,3,4,5,6,8 EN61000-6-2,4
Jumbo Frame	-	Free Fall	IEC60068-2-32
MAC Table Size	8K	Shock	IEC60068-2-27
Interface		Vibration	IEC60068-2-6
Ethernet Port	6*RJ45 Ports w/10/100Tx (PSE 30W/Port)	Green	RoHS Compliant
Gigabit Combo Port	2 *RJ45 Ports w/10/100/1000TX Ethernet	Certifications	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
Copper/SFP	and 2*100/1000 SFP Slot for Fiber		Warranty
PoE Pin Out	V+, V+, V-, V- for pin s 1,2,3,6 Endspan, MDI Alternative A		
Network Cable	10Base Tx: 2-pair UTP/STP Cat. 3,4,5		
	100Base Tx: 2-pair UTP/STP Cat. 5		
	1000Base Tx: 2-pair UTP/STP Cat. 5/5E		
Power Requirements			
Input Voltage	12~36VDC (Voltage Booster), Redundant Input		
Overload Current Protection	Present		
Connection	1 removable 6-contact terminal block		
Reverse Polarity Protection	Yes		
Power Consumption	145 Watts @ 12V		
	200 Watts @ 24V		

ORDERING INFO

LNP-0802C-SFP-24 8-Port Industrial PoE+ Gigabit Unmanaged Switch, w/6*10/100Tx (30W/Port), and 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots); 12~36VDC

LNP-0802C-SFP-24-T 8-Port Industrial PoE+ Gigabit Unmanaged Switch, w/6*10/100Tx (30W/Port), and 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots); 12~36VDC; EOT: -40° to 75°C

Optional Accessories

MDR-100-24 100W Industrial Single Output Miniature DIN-Rail Power Supply, 24VDC

DR-120-24 120W Industrial DIN-Rail Power Supply, 24VDC

SDR-120-24 120W Industrial Single Output Miniature DIN-Rail Power Supply, 24VDC

SDR-240-24 240W Industrial Slim & High Efficiency DIN-Rail Power Supply with PFC Function, 24VDC

LNP-1002C-SFP Series

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



Features

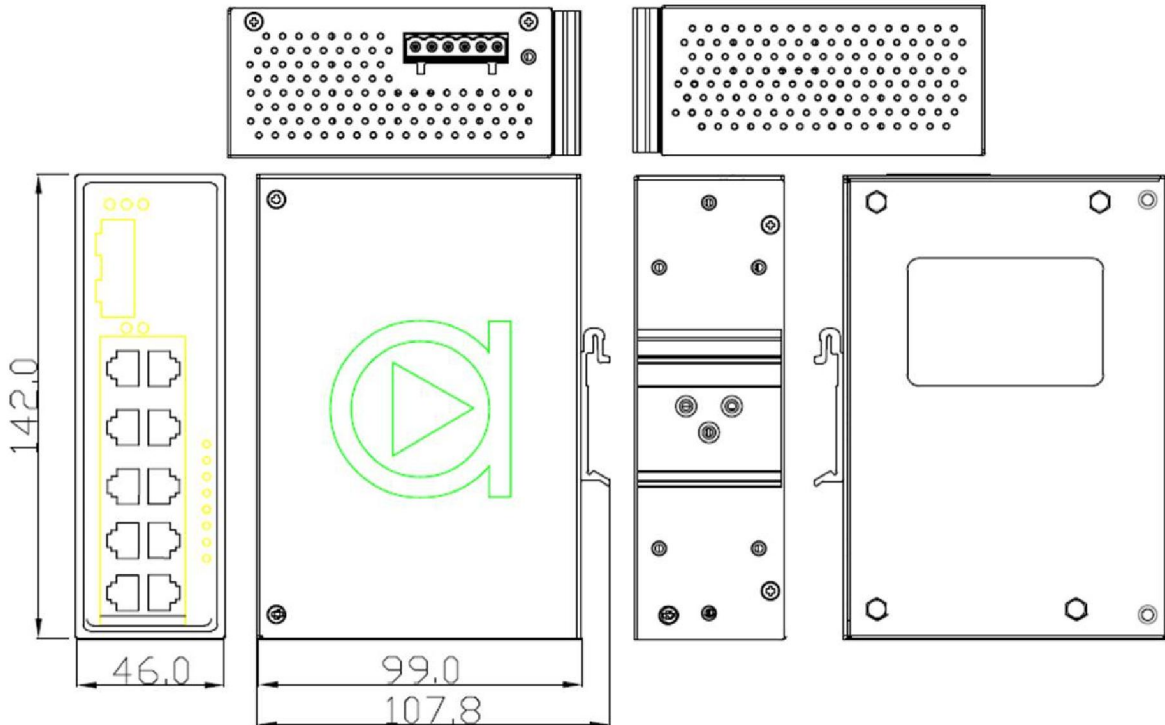
- ▶ Supports 8-Port 10/100Tx IEEE 802.3at PoE+ Compliant with 30W per Port, 2*Gigabit Combo Ports (2*10/100/1000Tx + 2*100/1000 SFP Slots)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 8K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC 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
- ▶ Operating Temperature Range - STD: -10° to 70° C, EOT: -40° to 75° C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-1002C-SFP industrial PoE+ gigabit unmanaged Ethernet switch series is IP30 rated and DIN-Rail mountable with 8*10/100Tx supporting IEEE802.3at (high power PoE support up to 30W/port), and 2*GigE combo ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP slots for fiber). This series is ideal for applications that demand high bandwidth and long distance communication.

The LNP-1002C-SFP series provides a high EFT and ESD protection along with a dual power input having a reverse power polarity protection. In addition, the built-in relay warning function alerts maintainers when power failures occur. There is a wide operating temperature model that supports from -40 to 75°C. Also, this product series has been designed to fulfill special needs for industrial automation and harsh outdoor environment applications.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseTx Ethernet IEEE 802.3z Gigabit Fiber IEEE 802.3at PoE+
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control
Switch Properties	
Switch Architecture	Non-Blocking Switching Fabric 14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Transfer Rate	4Mbps (default)
Memory Buffer	-
Jumbo Frame	8K
MAC Table Size	
Interface	
Ethernet Port	8*RJ45 Ports w/10/100Tx (PSE 30W/Port)
Gigabit Combo Port Copper/SFP	2* RJ45 ports w/10/100/1000 Ethernet and 2*100/1000 SFP Slot For Fiber
PoE Pin Out	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI Alternative A
Network Cable	10Base Tx: 2-pair UTP/STP Cat. 3,4,5 100Base Tx: 2-pair UTP/STP Cat. 5 1000Base Tx: 2-pair UTP/STP Cat. 5/5E
Power Requirements	
Input Voltage	48~55VDC, Redundant Input
Overload Current Protection	Present
Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Yes
Power Consumption	210 Watts @ 48V 250 Watts @ 51-55V (Full Load w/ PoE)

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	46 x 99 x 142 mm (W*D*H)
Weight	Unit 1.5lbs. Shipping Weight 2.0 lbs.
Mounting	DIN-Rail, wall mounting (optional)
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	EN61000-4-2,3,4,5,6,8, EN61000-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-1002C-SFP 10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100Tx (30W/Port), and 2*Gigabit Combo Ports (2*100/1000Tx RJ45 and 2*100/1000 SFP Slots)

LNP-1002C-SFP-T 10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100Tx (30W/Port), and 2*Gigabit Combo Ports (2*100/1000Tx RJ45 and 2*100/1000 SFP Slots); EOT: -40 to 75C

Optional Accessories

MDR-100-48 100W Industrial Single Output Miniature DIN Rail Power Supply, 48VDC

DR-120-48 120W Industrial Din Rail Power Supply, 48VDC

SDR-120-48 120W Industrial Single Output Miniature DIN Rail Power Supply, 48VDC

SDR-240-48 240W Industrial Slim & High Efficiency DIN Rail Power Supply with PFC Function, 48VDC

LNP-1002C-SFP-24 Series

10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100Tx (30W/Port), 2*Gigabit Combo Ports (2*10/100/1000Tx + 2*100/1000 SFP Slots); 12-36VDC Input (Voltage Booster)



Features

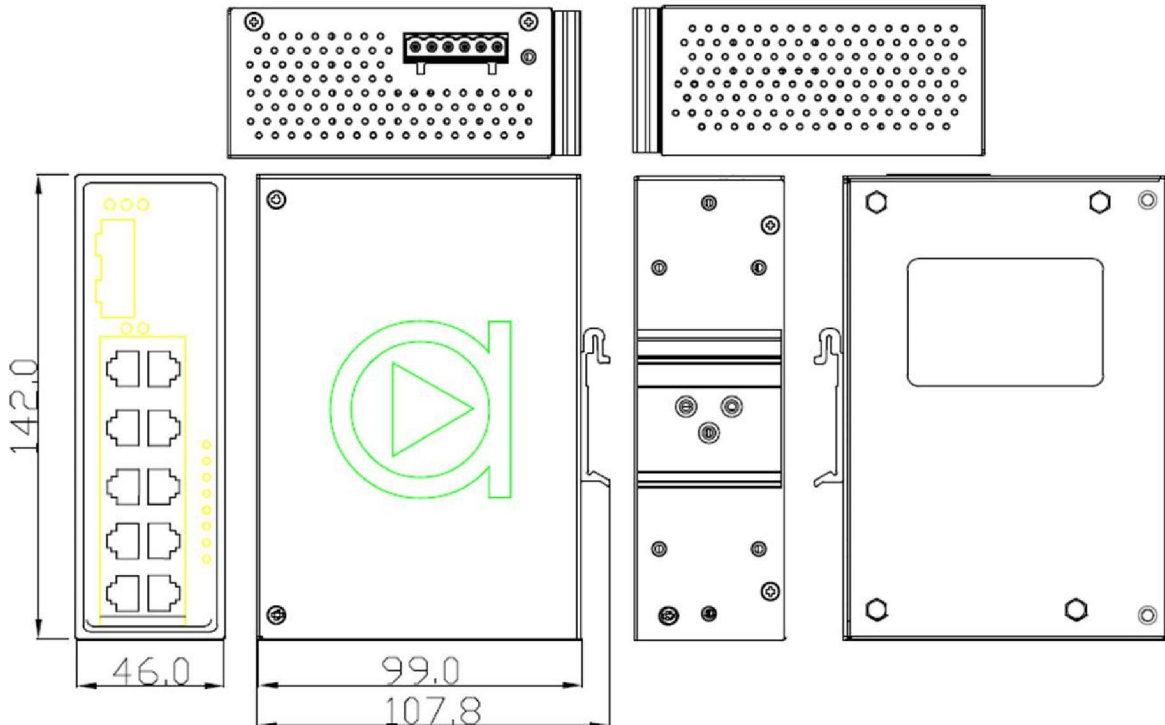
- ▶ Supports 8-Port 10/100Tx IEEE 802.3at PoE+ Compliant with 30W/Port, 2*Gigabit Combo Ports (2*10/100/1000Tx + 2*100/1000 SFP Slots)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 8K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~36VDC (Voltage Booster)
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range - STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-1002C-SFP-24 industrial PoE+ gigabit unmanaged Ethernet switch series is IP30 rated and DIN-Rail mountable with 8*10/100Tx supporting IEEE802.3at (high power PoE support up to 30W/port), and 2*GigE combo ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP slots for fiber).

The LNP-1002C-SFP-24 series provides a high EFT and ESD protection along with a dual power input having a reverse power polarity protection. It also has a low voltage input (12~36VDC) and a booster. In addition, the built-in relay warning function alerts maintainers when power failures occur. There is a wide operating temperature model that supports from -40 to 75°C. Also, this product series has been designed to fulfill special needs for industrial automation and harsh outdoor environment applications.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseT Ethernet IEEE 802.3az Gigabit Fiber IEEE 802.3at PoE+
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control
Switch Properties	
Switch Architecture	Non-Blocking Switching Fabric 14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Transfer Rate	4Mbps (default)
Memory Buffer	-
Jumbo Frame	8K
MAC Table Size	
Interface	
Ethernet Port	8*RJ45 Ports w/10/100Tx (PSE 30W/Port)
Gigabit Combo Port Copper/SFP	2* RJ45 ports w/ 100/1000 Ethernet and 2*100/1000 SFP Slot For Fiber
PoE Pin Out	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI Alternative A
Network Cable	10Base Tx: 2-pair UTP/STP Cat. 3,4,5 100Base Tx: 2-pair UTP/STP Cat. 5 1000Base Tx: 2-pair UTP/STP Cat. 5/5E
Power Requirements	
Input Voltage	12~36VDC, Redundant Input
Overload Current Protection	Present
Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Yes
Power Consumption	145 Watts @ 12V 200 Watts @ 24V (Full Load w/ PoE)

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	46 x 99 x 142 mm (W*D*H)
Weight	Unit 1.5lbs. Shipping Weight 2.0 lbs.
Mounting	DIN-Rail, wall mounting (optional)
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	EN61000-4-2,3,4,5,6,8, EN61000-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-1002C-SFP-24	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100Tx (30W/Port), and 2*Gigabit Combo Ports (2*100/1000Tx RJ45 and 2*100/1000 SFP Slots); 12~36VDC
LNP-1002C-SFP-T	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100Tx (30W/Port), and 2*Gigabit Combo Ports (2*100/1000Tx RJ45 and 2*100/1000 SFP Slots); 12~36VDC; EOT: -40 to 75C

Optional Accessories

MDR-100-24	100W Industrial Single Output Miniature DIN Rail Power Supply, 24VDC
DR-120-24	120W Industrial Din Rail Power Supply, 24VDC
SDR-120-24	120W Industrial Single Output Miniature DIN Rail Power Supply, 24VDC
SDR-240-24	240W Industrial Slim & High Efficiency DIN Rail Power Supply with PFC Function, 24VDC