LNP-0500G-bt Series

5-Port Industrial Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (90W/Port) and 1*10/100/1000Tx

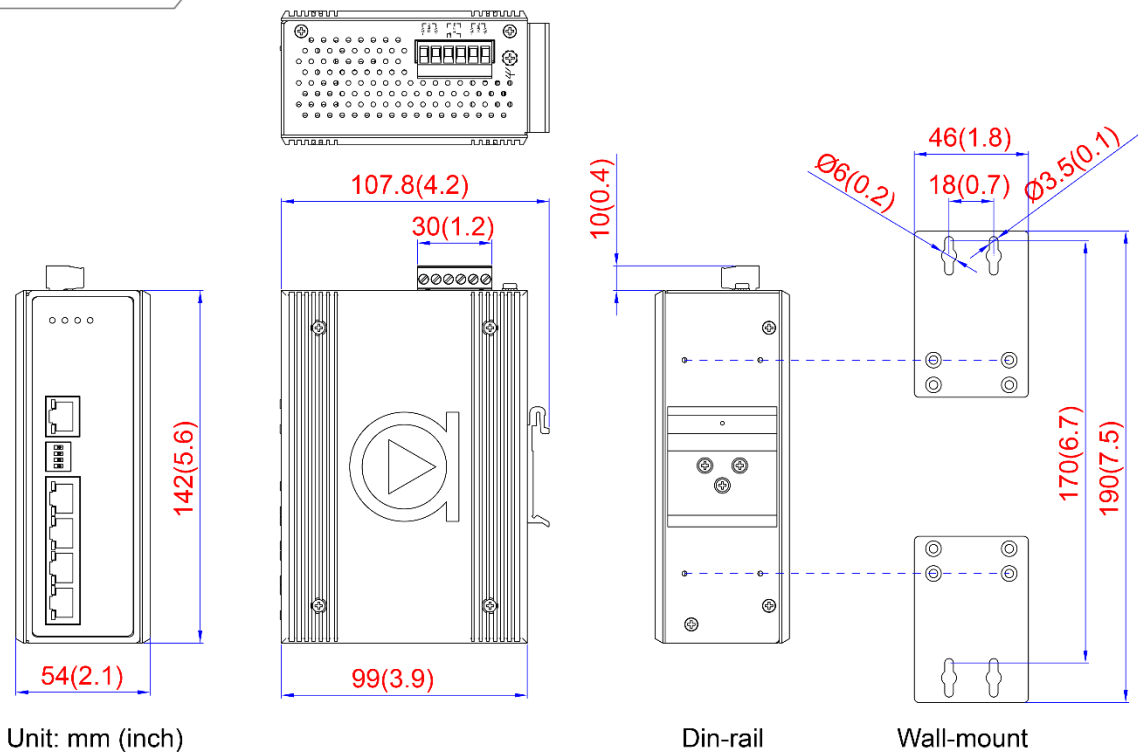## Features

▶ **Supports 4*10/100/1000Tx IEEE 802.3bt Compliant with 90W/Port and 1*10/100/1000Tx Ethernet Port**
▶ **Store-and-Forward Switching Architecture**
▶ **10Gbps Back-Plane (Switching Fabric)**
▶ **8K MAC Address Table**
▶ **10.0Kbytes 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 Temp. - STD: -10°~65°C, EOT: -40°~75°C**
▶ **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-0500G-bt series is an industrial gigabit PoE++ unmanaged Ethernet switch featuring 4*10/100/1000Tx Gigabit Ethernet ports that support IEEE802.3bt for a maximum of 90W/port and 1*10/100/1000Tx Ethernet port. The LNP-0500G-bt is an ideal solution for rapid, unmanaged gigabit network expansion with PoE++ capabilities.

The LNP-0500G-bt series is IP30 rated and DIN-rail mountable. There are also two operating temperature models for either a standard temperature range (STD: -10°C to 65°C) or an extended temperature range (EOT: -40°C to 75°C). It also provides 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

107.8(4.2)
30(1.2)
10(0.4)
46(1.8)
Ø6(0.2)
18(0.7)
Ø3.5(0.1)
142(5.6)
54(2.1)
99(3.9)
170(6.7)
190(7.5)

Unit: mm (inch)

Din-rail

Wall-mount

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3at/af/bt Power over Ethernet
Processing Type	Store and Forward
Flow Control	IEEE 802.3x back pressure flow control

Switch Properties

Switch Architecture	Back-Plane (Switching Fabric): 10.0Gbps
Transfer Rate	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet 1,488,000pps for 1000Base-T Gigabit Ethernet
Packet Buffer	1Mbit
Jumbo Frame	10Kbytes
MAC Table Size	8K

Port Interface

Ethernet RJ45 Port	4*10/100/1000Tx (PSE: 90W/Port) + 1*10/100/1000Tx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
PoE Pin Out	V-, V-, V+, V+, for pin 1, 2, 3, 6 V+, V+, V-, V-, for pin 4, 5, 7, 8
DIP Switch	Control PoE Function by Port
LED Indicators	System: Power 1, Power 2, Fault, PoE Load (P/L) Ethernet Ports: Link/Active PoE: On-connected to PD devices
Relay Contact	24VDC, 1A resistive
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 Characteristics

Housing	Metal, IP30 protection
Dimension	54 x 142 x 99 mm
Weight	Unit: 1.85 lbs.; Shipping: 2.51 lbs.
Mounting	DIN-Rail mounting, Wall mounting

Power Requirement

Input Voltage	48~55VDC Redundant Input *For IEEE 802.3bt application, power supply not less than 53V is recommended
Power Connection	1 removable 6-contact terminal block
Overload Current Protection	Present
Power Reverse Polarity Protection	Present
Power Consumption	5W
Max PoE Power Budget	180W @48~55VDC
PoE Power Output	90W max. per PoE port
PoE Port Priority	Port 1>Port 2>Port 3>Port 4

Environmental Limits

Operating Temperature	STD: -10 to 65°C EOT: -40 to 75°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
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
Warranty	5 Years

ORDERING INFO

LNP-0500G-bt	5-Port Industrial Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (90W/Port) and 1*10/100/1000Tx
LNP-0500G-bt-T	5-Port Industrial Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (90W/Port) and 1*10/100/1000Tx; EOT: -40°C to 75°C

LNP-0500G-bt-24 Series

5-Port Industrial Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (90W/Port) and 1*10/100/1000Tx; 12~55VDC Power Input
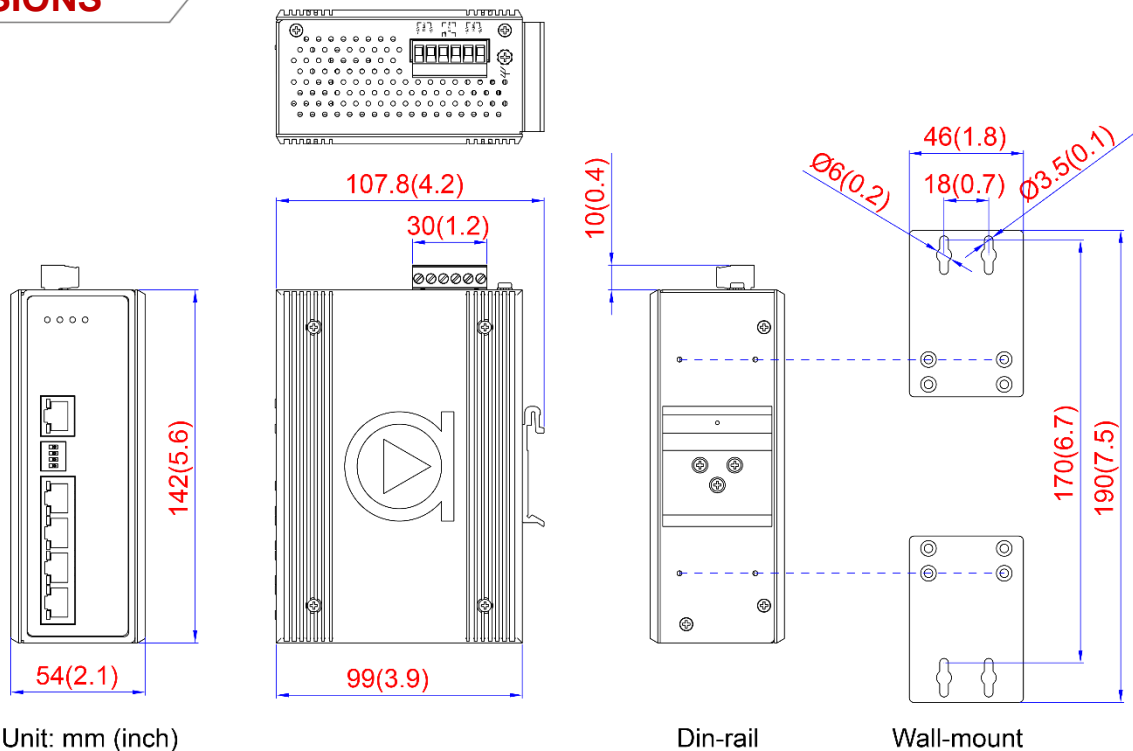
Features

- ► **Supports 4*10/100/1000Tx IEEE 802.3bt Compliant with 90W/Port and 1*10/100/1000Tx Ethernet Port**
- ► **Store-and-Forward Switching Architecture**
- ► **10Gbps Back-Plane (Switching Fabric)**
- ► **8K MAC Address Table**
- ► **10.0Kbytes 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 Temp. - STD: -10°~65°C, EOT: -40°~75°C**
- ► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-0500G-bt-24 series is an industrial gigabit PoE++ unmanaged Ethernet switch featuring 4*10/100/1000Tx Gigabit Ethernet ports that support IEEE802.3bt for a maximum of 90W/port and 1*10/100/1000Tx Ethernet port. The LNP-0500G-bt is an ideal solution for rapid, unmanaged gigabit network expansion with PoE++ capabilities.

The LNP-0500G-bt-24 series is IP30 rated and DIN-rail mountable. There are also two operating temperature models for either a standard temperature range (STD: -10°C to 65°C) or an extended temperature range (EOT: -40°C to 75°C). It also provides 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

107.8(4.2)
30(1.2)
10(0.4)
142(5.6)
54(2.1)
99(3.9)
46(1.8)
Ø6(0.2)
18(0.7)
Ø3.5(0.1)
170(6.7)
190(7.5)

Unit: mm (inch)

Din-rail   Wall-mount

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3at/af/bt Power over Ethernet
Processing Type	Store and Forward
Flow Control	IEEE 802.3x back pressure flow control

Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 10.0Gbps
Transfer Rate	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet 1,488,000pps for 1000Base-T Gigabit Ethernet
Packet Buffer	1Mbit
Jumbo Frame	10Kbytes
MAC Table Size	8K

Port Interface	
Ethernet RJ45 Port	4*10/100/1000Tx (PSE: 90W/Port) + 1*10/100/1000Tx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
PoE Pin Out	V-, V-, V+, V+, for pin 1, 2, 3, 6 V+, V+, V-, V-, for pin 4, 5, 7, 8
DIP Switch	Control PoE Function by Port
LED Indicators	System: Power 1, Power 2, Fault, PoE Load (P/L) Ethernet Ports: Speed/Link/Active PoE: On-connected to PD devices
Relay Contact	24VDC, 1A resistive
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 Characteristics	
Housing	Metal, IP30 protection
Dimension	54 x 142 x 99 mm
Weight	Unit: 1.85 lbs.; Shipping: 2.51 lbs.
Mounting	DIN-Rail mounting, Wall mounting

Power Requirement	
Input Voltage	12~55VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Overload Current Protection	Present
Power Reverse Polarity Protection	Present
Power Consumption	5W
Max PoE Power Budget	90W @12VDC 180W @24~55VDC
PoE Power Output	90W max. per PoE port
PoE Port Priority	Port 1>Port 2>Port 3>Port 4

Environmental Limits	
Operating Temperature	STD: -10 to 65°C EOT: -40 to 75°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
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
Warranty	5 Years

ORDERING INFO

LNP-0500G-bt-24	5-Port Industrial Gigabit PoE++ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (90W/Port) and 1*10/100/1000Tx, 12~55VDC Power Input
LNP-0500G-bt-24-T	5-Port Industrial Gigabit PoE++ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (90W/Port) and 1*10/100/1000Tx, 12~55VDC Power Input; EOT: -40°C to 75°C

LNP-800AGH Series

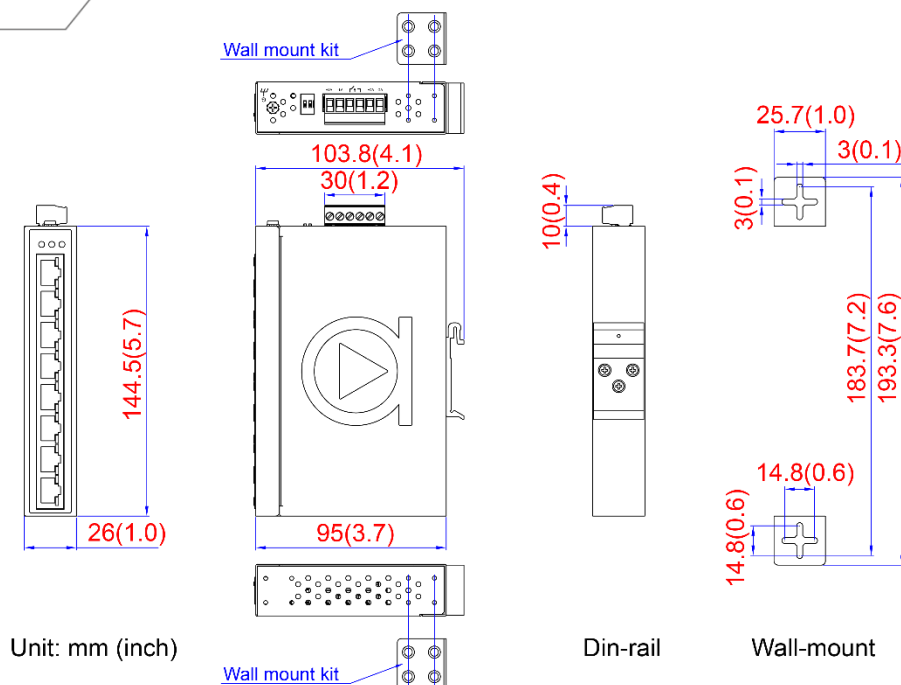**8-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port)**

Features

► **Supports 8*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port**
► **Supports 9.6Kbytes Jumbo Frame**
► **Supports Auto MDI/MDI-X Function**
► **Store-and-Forward Switching Architecture**
► **Power Input: 48~55VDC in 6-Pin Terminal Block**
► **Built-in 1 Relay Output for Fault Alarm**
► **IP30 Rugged Metal Case Design**
► **DIN-Rail and Wall Mount Support**
► **Operating Temperature Range:**
  STD: -10°C to 65°C, EOT: -40°C to 75°C
► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-800AGH series is an 8-port industrial gigabit PoE+ unmanaged switch that supports 8*10/100/1000Tx Ethernet ports. The LNP-800AGH series is a backwards compliant PoE+ switch that will support IEEE802.3af/at standards providing a maximum of 30 watts per port.

The LNP-800AGH series has been specifically designed for rugged and harsh environmental deployments. This product series is housed in a hardened IP30 rated metal enclosure that includes DIN-rail and wall mounting hardware. There are two wide operating temperature models for either a standard temperature range (STD: -10°C to 65°C) or an extended temperature range (EOT: -40°C to 75°C). The LNP-800AGH series also provides high EFT and ESD protection for any industrial networking application within ITS, security or any other outdoor or harsh environment.

DIMENSIONS

Wall mount kit

103.8(4.1)
30(1.2)
144.5(5.7)
26(1.0)
95(3.7)
10(0.4)

25.7(1.0)
3(0.1)
3(0.1)
183.7(7.2)
193.3(7.6)
14.8(0.6)
14.8(0.6)

Unit: mm (inch)

Wall mount kit

Din-rail   Wall-mount

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.3x Flow Control IEEE 802.3af/at Power over Ethernet

Switch Properties

Switch Architecture	Switching Fabric (Back-Plane): 16Gbps
Processing Type	Store and Forward
Flow Control	IEEE 802.3x flow control, back pressure flow control
Protocol	CSMA/CD
Transfer Rate	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet
MAC Table Size	8K
Jumbo Frame	9.6Kbytes
Memory Buffer	4Mbits

Port Interface

Ethernet Port	8*10/100/1000BaseTx (PSE: 30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
LED Indicators	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting PoE: On-connected to PD devices
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

Mechanical Characteristics

Housing	Metal IP30 rated
Dimension	26 x 144.5 x 95 mm (W x H x D)
Weight	Unit: 0.86 lbs; Shipping: 1.5 lbs
Mounting	DIN-Rail mounting, Wall mounting

Power Requirement

Input Voltage	48~55VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Overload Current Protection	Present (Slow-Blown Fuse)
Reverse Polarity Protection	Present
System Power Consumption	8Watts
PoE Power Budget	240W
Relay Contact	24VDC, 1A resistive

Environmental Limits

Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°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
EMS	CE EN55024/EN61000-6-2 Class A: EN61000-4-2,3,4,5,6,8
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 60950-1, UL 508, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-800AGH	8-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/8*10/100/1000Tx (30W/Port)
LNP-800AGH-T	8-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/8*10/100/1000Tx (30W/Port), EOT: -40°C to 75°C

LNP-0800G Series

8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 48~55VDC Power Input

FEATURES

► **Supports 8*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port**
► **Supports 9.6Kbytes Jumbo Frame**
► **Supports Auto MDI/MDI-X Function**
► **Store-and-Forward Switching Architecture**
► **Power Input: 48~55VDC in 6-Pin Terminal Block**
► **Built-in 1 Relay Output for Power Failure Warning**
► **IP30 Rugged Metal Case Design**
► **DIN-Rail and Wall Mount Support**
► **Operating Temperature - STD: -10°C to 65°C, EOT: -40°C to 75°C**
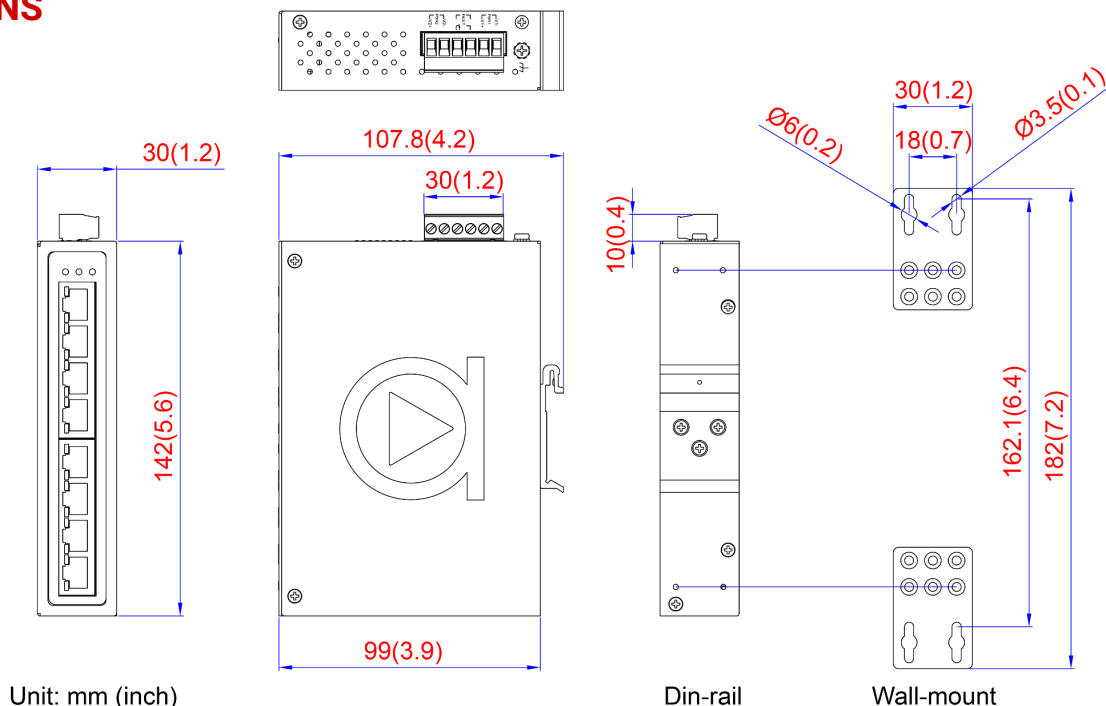► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-0800G Series is an 8-port industrial PoE+ gigabit unmanaged Ethernet switch that supports 8*10/100/1000Tx Ethernet ports. The LNP-0800G series is a backward compliant PoE+ switch that will support IEEE 802.3af/at standards providing a maximum of 30 watts per port with an input voltage of 48~55VDC.

Antaira's LNP-0800G Series has been specifically designed for rugged and harsh environmental deployments. This product series is housed in a hardened IP30-rated metal enclosure that includes DIN-rail and wall mounting hardware. There are two wide-operating temperature models for either a standard temperature range (STD: -10°C to 65°C) or an extended temperature range (EOT: -40°C to 75°C). The LNP-0800G Series also provides high EFT and ESD protection for any industrial networking application within factory automation, ITS (including on-vehicle), solar, security, or any other outdoor or harsh environment.

DIMENSIONS

30(1.2)
107.8(4.2)
30(1.2)
142(5.6)
99(3.9)
10(0.4)
Ø6(0.2)
30(1.2)
18(0.7)
Ø3.5(0.1)
162.1(6.4)
182(7.2)

Unit: mm (inch)
Din-rail
Wall-mount

SPECIFICATIONS

TECHNOLOGY

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.3af/at/bt Power over Ethernet

SWITCH PROPERTIES

Switch Architecture	Back-Plane (Switching Fabric): 16Gbps
Transfer Rate	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
Memory Buffer	4Mbits

PORT INTERFACE

Ethernet Port	8*10/100/1000Base-TX (30W/Port) Auto-negotiation speed, Full/Half duplex mode, and Auto MDI/MDI-X connection
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, MDI Alternative A)
LED Indicators	System: Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting PoE: On-connected to PD devices
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 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 CHARACTERISTICS

Housing	Metal, IP30 protection
Dimension	30 x 142 x 99 mm
Weight	Unit: 1.55 lbs. Shipping: 1.9 lbs.
Mounting	DIN-Rail mounting, Wall mounting

POWER REQUIREMENT

Input Voltage	48~55VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Relay Contact	24VDC, 1A resistive
Overload Current Protection	Present
Reverse Polarity Protection	Present
System Power Consumption	Max. 11W full loading
Max PoE Power Budget	240W

ENVIRONMENTAL LIMITS

Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°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
EMS	CE EN55035/EN61000-6-2, 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, UL 61010-2-201
Warranty	5 Years

ORDERING INFORMATION

LNP-0800G	8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 48~55VDC Power Input
LNP-0800G-T	8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 48~55VDC Power Input; EOT: -40°C to 75°C

LNP-0800G-24 Series

8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 9~55VDC Power Input

FEATURES

► **Supports 8*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port**
► **Supports 9.6Kbytes Jumbo Frame**
► **Supports Auto MDI/MDI-X Function**
► **Store-and-Forward Switching Architecture**
► **Power Input: 9~55VDC in 6-Pin Terminal Block**
► **Built-in 1 Relay Output for Power Failure Warning**
► **IP30 Rugged Metal Case Design**
► **DIN-Rail and Wall Mount Support**
► **Operating Temperature - STD: -10°C to 65°C, EOT: -40°C to 75°C**
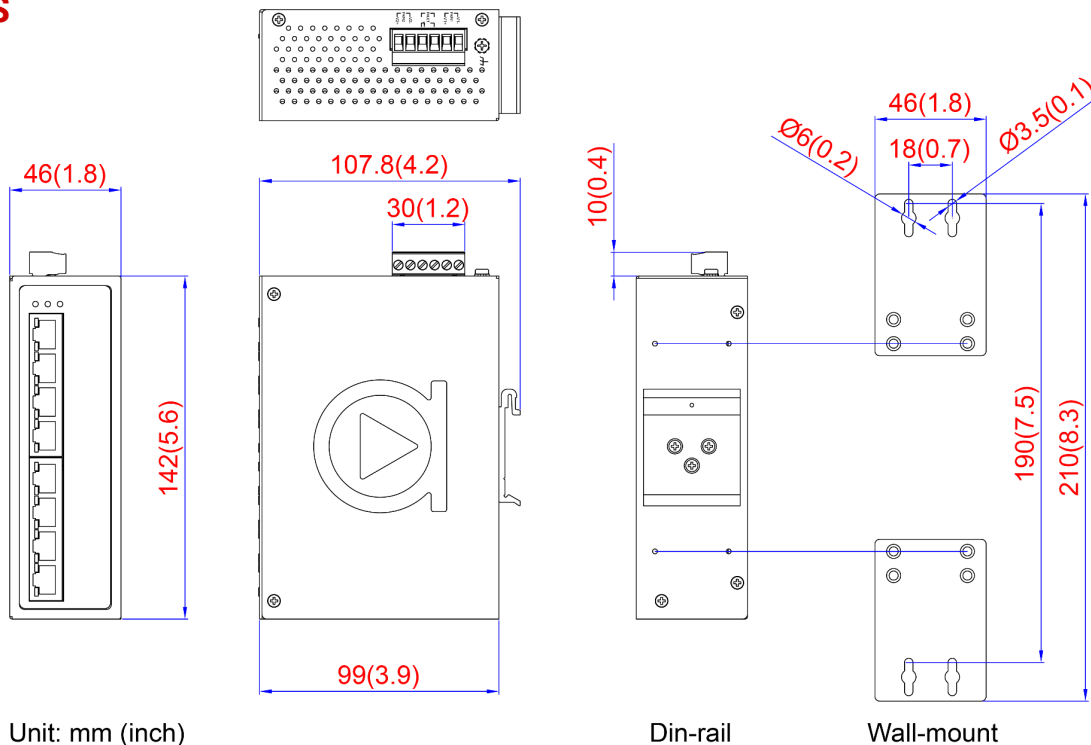► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-0800G-24 Series is an 8-port industrial PoE+ gigabit unmanaged Ethernet switch that supports 8*10/100/1000Tx Ethernet ports. The LNP-0800G-24 series is a backward compliant PoE+ switch that will support IEEE 802.3af/at standards providing a maximum of 30 watts per port with an input voltage of 9~55VDC.

Antaira's LNP-0800G-24 Series has been specifically designed for rugged and harsh environmental deployments. This product series is housed in a hardened IP30-rated metal enclosure that includes DIN-rail and wall mounting hardware. There are two wide-operating temperature models for either a standard temperature range (STD: -10°C to 65°C) or an extended temperature range (EOT: -40°C to 75°C). The LNP-0800G-24 Series also provides high EFT and ESD protection for any industrial networking application within factory automation, ITS (including on-vehicle), solar, security, or any other outdoor or harsh environment.

DIMENSIONS

Unit: mm (inch)

Din-rail

Wall-mount

SPECIFICATIONS

TECHNOLOGY

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.3af/at/bt Power over Ethernet

SWITCH PROPERTIES

Switch Architecture	Back-Plane (Switching Fabric): 16Gbps
Transfer Rate	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
Memory Buffer	4Mbits

PORT INTERFACE

Ethernet Port	8*10/100/1000Base-TX (30W/Port) Auto-negotiation speed, Full/Half duplex mode, and Auto MDI/MDI-X connection
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, MDI Alternative A)
LED Indicators	System: Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting PoE: On-connected to PD devices
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 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 CHARACTERISTICS

Housing	Metal, IP30 protection
Dimension	46 x 142 x 99 mm
Weight	Unit: 1.64 lbs. Shipping: 2.05 lbs.
Mounting	DIN-Rail mounting, Wall mounting

POWER REQUIREMENT

Input Voltage	9~55VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Relay Contact	24VDC, 1A resistive
Overload Current Protection	Present
Reverse Polarity Protection	Present
System Power Consumption	Max. 10W full loading
Max PoE Power Budget	60W@9VDC 90W@12VDC 150W@24VDC 200W@36VDC 240W@48~55VDC

ENVIRONMENTAL LIMITS

Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°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
EMS	CE EN55035/EN61000-6-2, 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, UL 61010-2-201
Warranty	5 Years

ORDERING INFORMATION

LNP-0800G-24	8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 9~55VDC Power Input
LNP-0800G-24-T	8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 9~55VDC Power Input; EOT: -40°C to 75°C

LNP-1600G Series

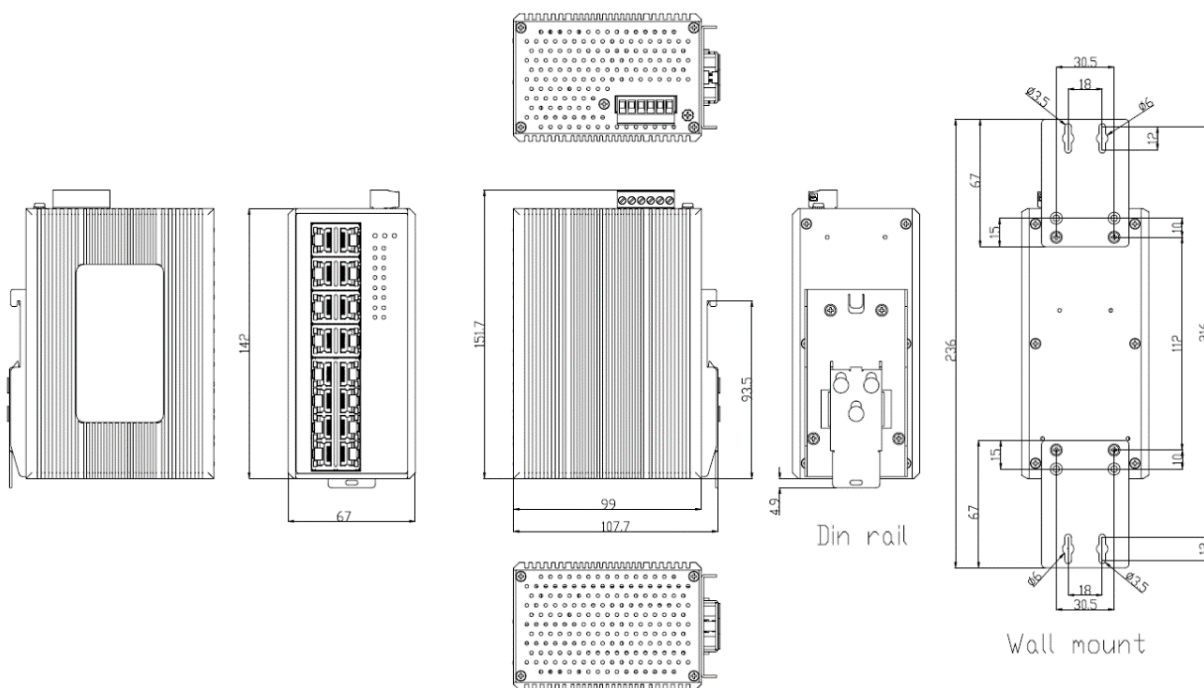16-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 16*10/100/1000Tx (30W/Port)

Features

▶ **Support 16*10/100/1000Tx Gigabit Ethernet with IEEE 802.3at Compliant PoE+**
▶ **Built-in Relay for Power Redundancy Failure Warning**
▶ **RJ45 Port Support Auto MDI / MDI-X Function**
▶ **Auto Negotiation Speed, Half / Full Duplex**
▶ **Store-and-Forward Switching Architecture**
▶ **Redundant Power Input: 48~55VDC**
▶ **Power Polarity Reverse Protection**
▶ **Overload Current Protection**
▶ **DIN-Rail and Wall Mount Support**
▶ **Tested at Heavy Industry EMS Level for the Best Electro-Magnetic Susceptibility**
▶ **Operating Temperature Range: STD: -10° to 65°C, EOT: -40° to 75°C**
▶ **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-1600G series has sixteen 10/100/1000TX RJ45 ports that support IEEE 802.3af/at PoE/PoE+ standards supplying up to 30 watts per port. It is IP30 rated designed with both DIN-Rail and wall mounting options. It is ideal for applications that require high density port connections with full high PoE power outputs and wide network bandwidth. The LNP-1600G series works well in industrial applications such as, security video surveillance, GigE machine vision, process control automation, and intelligent transportation. This product series provides high EFT and ESD protection with a redundant power input support of 48~55VDC. The unit also supports a standard operating temperature from -10° to 65°C or -40° to 75°C with the extended temperature version.

DIMENSIONS

Din rail

Wall mount

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT 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: Non-Blocking Switching Fabric
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Memory Buffer	512Kbytes
Jumbo Frame	9,216bytes
MAC Table Size	8K

Interface

Ethernet Port	16*10/100/1000T(X) with 16*PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
LED Indicators	Power 1, Power 2, Fault Ethernet Ports: On- Link / Flashing- Data transmitting PoE: On- connected to PD devices
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

Mechanical Characteristics

Housing	Aluminum and Metal, IP30 protection
Dimensions	67 x 142 x 99 mm (W x H x D)
Weight	Unit: 2.65 lbs. Shipping: 3.09 lbs.
Mounting	DIN-Rail, Wall Mounting (optional)

Power Requirement

Input Voltage	48 to 55VDC, Redundant Inputs
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
PoE Power Output	30Watts max. per PoE port
Power Consumption	13Watts for System
Max. PoE Power Budget	240Watts
Relay Contact	24VDC, 1A resistive

Environmental Limits

Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°C
Storage Temperature	-40°C to 85°C
Ambient Relative Humidity	5% to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN 55032 Class A, EN 61000-6-4 Class A
EMS	CE EN 55024 Class A, EN 61000-6-2 Class A, IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
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-1600G	16-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 16*10/100/1000Tx
LNP-1600G-T	16-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 16*10/100/1000Tx; EOT: -40°C to 75°C

Optional Accessories

NDR-240-48	240W Industrial DIN-Rail Power Supply, 48VDC
NDR-480-48	480W Industrial DIN-Rail Power Supply, 48VDC

LNP-1802G-SFP Series

18-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 16*10/100/1000Tx (30W/Port) and 2*100/1000 SFP Slots; 48~55VDC Power Input

Features

▶ **Support 16*10/100/1000Tx Gigabit Ethernet with IEEE 802.3at Compliant PoE+**

▶ **Support 2*100/1000 Auto Sensing SFP Slots**

▶ **Built-in Relay for Power Redundancy Failure Warning**

▶ **RJ45 Port Support Auto MDI / MDI-X Function**

▶ **Auto Negotiation Speed, Half / Full Duplex**

▶ **Store-and-Forward Switching Architecture**

▶ **Redundant Power Input: 48~55VDC**

▶ **Power Polarity Reverse Protection**

▶ **Overload Current Protection**

▶ **DIN-Rail and Wall Mount Support**

▶ **Tested at Heavy Industry EMS Level for the Best Electro-Magnetic Susceptibility**

▶ **Operating Temperature Range: STD: -10° to 65°C, EOT: -40° to 75°C**
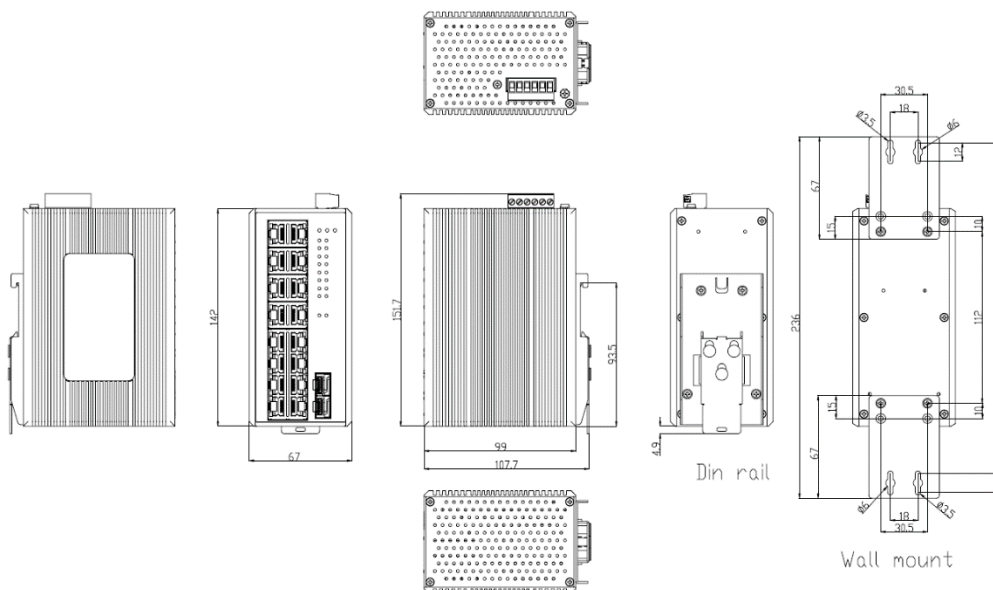
▶ **5-Year Warranty**

INTRODUCTION

Antaira's LNP-1802G-SFP series industrial gigabit unmanaged Ethernet switch is IP30 rated and DIN-Rail mountable. Each unit is designed with 16 Gigabit Ethernet ports and 2 dual rates (100/1000) SFP slots for fiber connections, making it ideal for applications that demand high bandwidth and long-distance communication.

This product provides high EFT and ESD protection to prevent any unregulated voltage and is suitable for harsh environments. The unit also supports a standard operating temperature from -10° to 65°C or -40° to 75°C with the extended temperature version.

The LNP-1802G-SFP series is a perfect industrial networking product to support any application that requires high bandwidth or high-density connections, such as power/utility, water wastewater treatment, oil/gas/mining, process control automation, security access control systems, and intelligent transportation systems.

DIMENSIONS

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X Gigabit Fiber 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: Non-Blocking Switching Fabric
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Memory Buffer	512Kbytes
Jumbo Frame	9,216bytes
MAC Table Size	8K

Interface

Ethernet Port	16*10/100/1000T(X) with 16*PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
Fiber Port	2*100/1000 SFP Slot
LED Indicators	Power 1, Power 2, Fault Ethernet Ports: On- Link / Flashing- Data transmitting PoE: On- connected to PD devices SFP: Link / Active
Wavelength	Depends on SFP modules
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

Mechanical Characteristics

Housing	Aluminum and Metal, IP30 protection
Dimensions	67 x 142 x 99 mm (W x H x D)
Weight	Unit: 2.65 lbs. Shipping: 3.09 lbs.
Mounting	DIN-Rail, Wall Mounting (optional)

Power Requirement

Input Voltage	48 to 55VDC, Redundant Inputs
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
PoE Power Output	30Watts max. per PoE port
Power Consumption	15Watts for System
Max. PoE Power Budget	240Watts
Relay Contact	24VDC, 1A resistive

Environmental Limits

Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°C
Storage Temperature	-40°C to 85°C
Ambient Relative Humidity	5% to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN 55032 Class A, EN 61000-6-4 Class A
EMS	CE EN 55024 Class A, EN 61000-6-2 Class A, IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
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-1802G-SFP	18-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 16*10/100/1000Tx (30W/Port) + 2*100/1000 SFP
LNP-1802G-SFP-T	18-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 16*10/100/1000Tx (30W/Port) + 2*100/1000 SFP; EOT: -40°C to 75°C

Optional Accessories

NDR-240-48	240W Industrial DIN-Rail Power Supply, 48VDC
NDR-480-48	480W Industrial DIN-Rail Power Supply, 48VDC

LNP-2004G-SFP Series

20-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 16*10/100/1000Tx (30W/Port) and 4*100/1000 SFP Slots; 48~55VDC Power Input
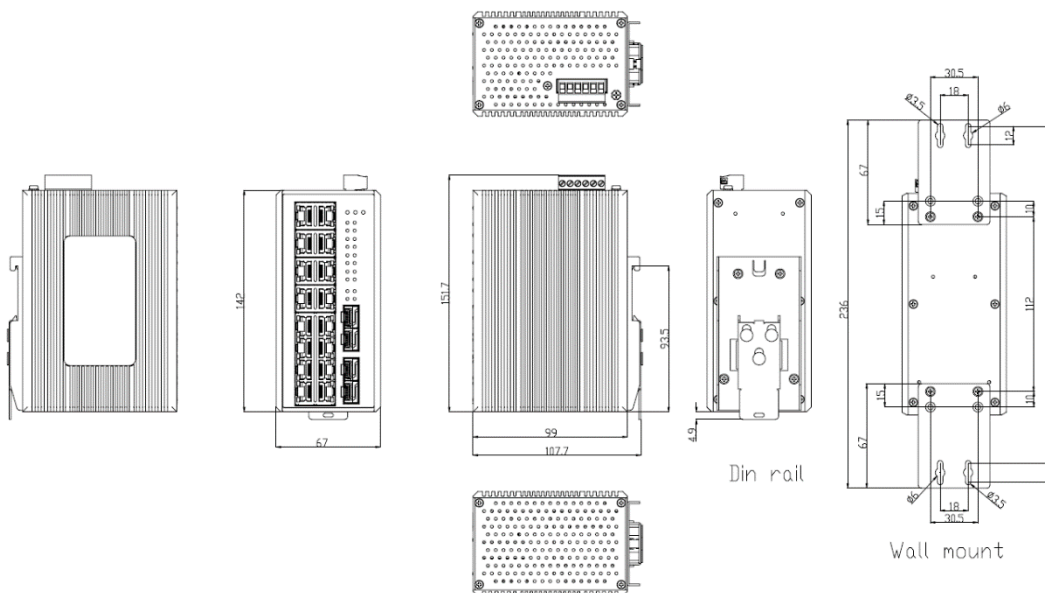
Features

► **Support 16*10/100/1000Tx Gigabit Ethernet with IEEE 802.3at Compliant PoE+**

► **Support 4*100/1000 Auto Sensing SFP Slots**

► **Built-in Relay for Power Redundancy Failure Warning**

► **RJ45 Port Support Auto MDI / MDI-X Function**

► **Auto Negotiation Speed, Half / Full Duplex**

► **Store-and-Forward Switching Architecture**

► **Redundant Power Input: 48~55VDC**

► **Power Polarity Reverse Protection**

► **Overload Current Protection**

► **DIN-Rail and Wall Mount Support**

► **Tested at Heavy Industry EMS Level for the Best Electro-Magnetic Susceptibility**

► **Operating Temperature Range: STD: -10° to 65°C, EOT: -40° to 75°C**

► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-2004G-SFP series industrial PoE+ gigabit unmanaged Ethernet switch features sixteen Gigabit ports with IEEE 802.3at high power PoE (30W/Port). The LNP-2004G-SFP series also provides four dual rate 100/1000Fx SFP slots for fiber connections, making it ideal for applications that demand PoE power support, high bandwidth and long-distance communication within any harsh or outdoor environment. This product series also provides high EFT and ESD protection to prevent any unregulated voltage. There are two wide operating temperature models to support either a -10˚ to 65˚C or - 40˚ to 75˚C environment.

The LNP-2004G-SFP series is ideal for supporting applications that require high-density PoE+ port connections, such as, security surveillance, traffic monitoring systems, facility management in power/utility, water wastewater treatment plants, oil/gas/mining, and GigE machine vision systems within factory automation.

DIMENSIONS

Din rail

Wall mount

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X Gigabit Fiber 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: Non-Blocking Switching Fabric
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Memory Buffer	512Kbytes
Jumbo Frame	9,216bytes
MAC Table Size	8K

Interface

Ethernet Port	16*10/100/1000T(X) with 16*PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
Fiber Port	4*100/1000 SFP Slot
LED Indicators	Power 1, Power 2, Fault Ethernet Ports: On- Link / Flashing- Data transmitting PoE: On- connected to PD devices SFP: Link / Active
Wavelength	Depends on SFP modules
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

Mechanical Characteristics

Housing	Aluminum and Metal, IP30 protection
Dimensions	67 x 142 x 99 mm (W x H x D)
Weight	Unit: 2.75 lbs. Shipping: 3.31 lbs.
Mounting	DIN-Rail, Wall Mounting (optional)

Power Requirement

Input Voltage	48 to 55VDC, Redundant Inputs
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
PoE Power Output	30Watts max. per PoE port
Power Consumption	16Watts for System
Max. PoE Power Budget	240Watts
Relay Contact	24VDC, 1A resistive

Environmental Limits

Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°C
Storage Temperature	-40°C to 85°C
Ambient Relative Humidity	5% to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN 55032 Class A, EN 61000-6-4 Class A
EMS	CE EN 55024 Class A, EN 61000-6-2 Class A, IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
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-2004G-SFP	20-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 16*10/100/1000Tx (30W/Port) + 4*100/1000 SFP
LNP-2004G-SFP-T	20-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 16*10/100/1000Tx (30W/Port) + 4*100/1000 SFP; EOT: -40°C to 75°C

Optional Accessories

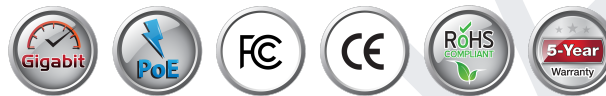|	
NDR-240-48	240W Industrial DIN-Rail Power Supply, 48VDC
NDR-480-48	480W Industrial DIN-Rail Power Supply, 48VDC

LNP-C501G-SFP-bt Series

5-Port Industrial Compact Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, 4*10/100/1000TX (90W/Port) and 1*100/1000 SFP Slot

FEATURES

► **Support 4*10/100/1000Tx IEEE 802.3bt Compliant with 90W/Port and 1*100/1000 SFP Slot**
► **Support PD Remote Rest Technology (PRRT)**
► **Adjustable SFP Speed with DIP-Switch Setting**
► **Store-and-Forward Switching Architecture**
► **Dual Power Input 48~55VDC in 6-Pin Terminal Block**
► **Support Power Inputs Reverse Polarity Protection**
► **IP40 Protection**
► **DIN-Rail or Wall Mountable**
► **Operating Temperature - STD: -10°C to 65°C, EOT: -40°C to 75°C**
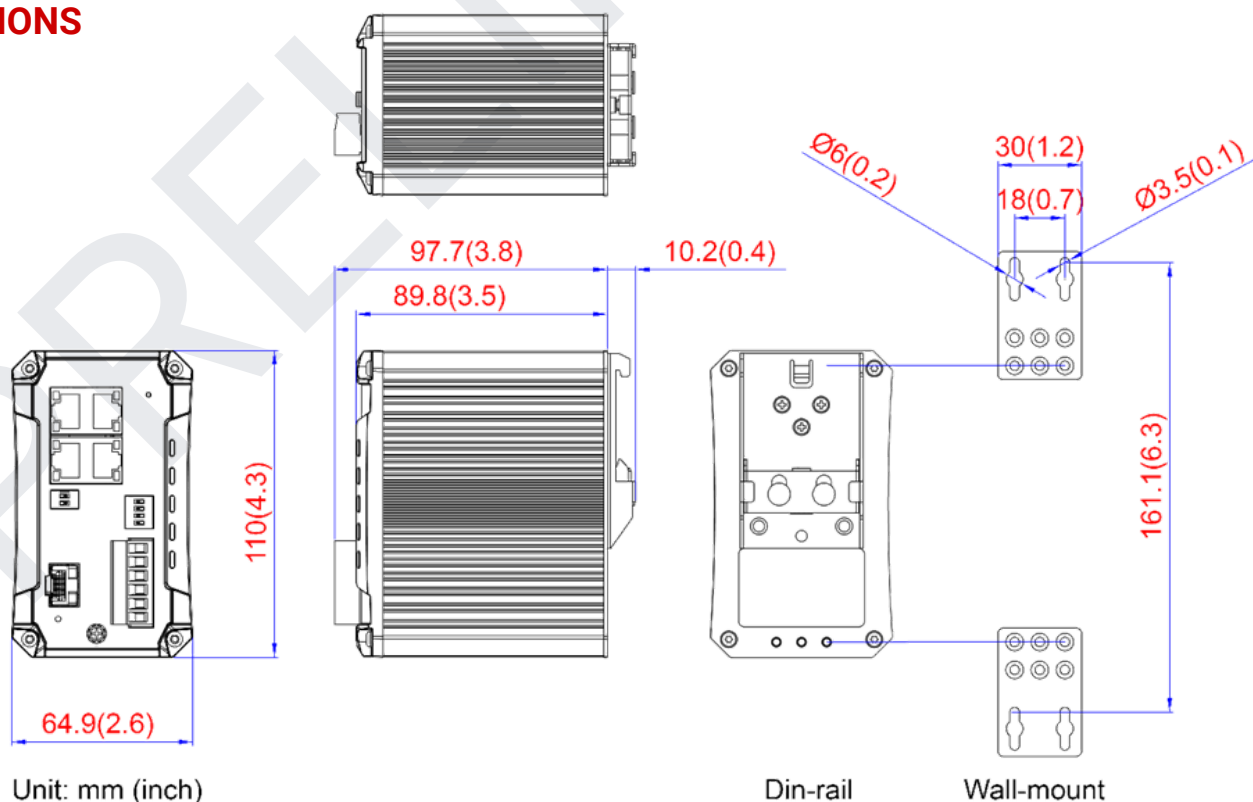► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-C501G-SFP-bt Series is a 5-port industrial compact Gigabit PoE++ unmanaged Ethernet switch embedded with 4*10/100/1000Tx Ethernet ports that support IEEE802.3bt for a maximum of 90W/port, and 1*100/1000 dual rate SFP slot for fiber connection.

The LNP-C501G-SFP-bt series is IP40 rated and DIN-rail mountable. There are also two wide-operating temperature models for either a standard temperature range (STD: -10°C to 65°C) or an extended temperature range (EOT: -40°C to 75°C). It also provides high EFT and ESD protection for industrial networking applications, such as power/utility, water wastewater, oil/gas/mining, factory automation, security surveillance, ITS, and any other outdoor or harsh environment.

DIMENSIONS

Unit: mm (inch)

Din-rail   Wall-mount

SPECIFICATIONS

TECHNOLOGY

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3af/at/bt Power over Ethernet

SWITCH PROPERTIES

Switch Architecture	Switching Fabric (Back-Plane): 10Gbps
Processing Type	Store and Forward
Flow Control	IEEE 802.3x flow control, back pressure flow control
Protocol	CSMA/CD
Transfer Rate	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet
MAC Table Size	8K
Jumbo Frame	10Kbytes
Memory Buffer	1Mbit

PORT INTERFACE

Ethernet Port	4*10/100/1000Base-TX (90W/Port), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
SFP Port	1*100/1000 SFP Slot
LED Indicators	System: Power 1, Power 2, Fault PoE Load: 70%, 90% Ethernet ports: Speed/Link/Active PoE: On-connected to PD devices SFP: Speed/Link/Active
DIP Switch	PoE Switch: Control PoE Function by Port DIP Switch 1: PD Remote Reset Technology (PRRT) Enable/Disable DIP Switch 2: SFP Speed (1000Mbps/100Mbps)
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat. 5/5E cable; EIA/TIA-568 100-ohm (100m)

MECHANICAL CHARACTERISTICS

Housing	Metal, IP40 protection
Dimension	64.9 x 110 x 89.8 mm (W x H x D)
Weight	Unit: 0.70 lb Shipping: 1.00 lb
Mounting	DIN-Rail mounting, Wall mounting

POWER REQUIREMENT

Input Voltage	48~55VDC Redundant Input (53~55VDC power input for BT PoE PSE)
Power Connection	1 removable 6-contact terminal block
Relay Contact	24VDC, 1A resistive
Overload Current Protection	Present (Slow-Blown Fuse)
Reverse Polarity Protection	Present
System Power Consumption	4.6 Watts
PoE Pin Out	V-, V-, V+, V+ for pin 1, 2, 3, 6 V+, V+, V-, V- for pin 4, 5, 7, 8 *Support Modes: Mode A, Mode B, 4-Pair Mode
PoE Power Budget	240W

ENVIRONMENTAL LIMITS

Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°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
EMS	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
Certifications	FCC, CE
Warranty	5 Years

ORDERING INFORMATION

LNP-C501G-SFP-bt	5-Port Compact Industrial Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, 4*10/100/1000TX (90W/Port) and 1*100/1000 SFP Slot
LNP-C501G-SFP-bt-T	5-Port Compact Industrial Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, 4*10/100/1000TX (90W/Port) and 1*100/1000 SFP Slot; EOT: -40°C to 75°C

LNP-C501G-SFP-bt-24 Series

5-Port Industrial Compact Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, 4*10/100/1000TX (90W/Port), 1*100/1000 SFP Slot; 9~55VDC Power Input

FEATURES

► **Support 4*10/100/1000Tx IEEE 802.3bt Compliant with 90W/Port and 1*100/1000 SFP Slot**
► **Support PD Remote Rest Technology (PRRT)**
► **Adjustable SFP Speed with DIP-Switch Setting**
► **Store-and-Forward Switching Architecture**
► **Dual Power Input 9~55VDC in 6-Pin Terminal Block**
► **Provided power booster technologies for low voltage power inputs**
► **Support Power Inputs Reverse Polarity Protection**
► **IP40 Protection**
► **DIN-Rail or Wall Mountable**
► **Operating Temperature - STD: -10°C to 65°C, EOT: -40°C to 75°C**
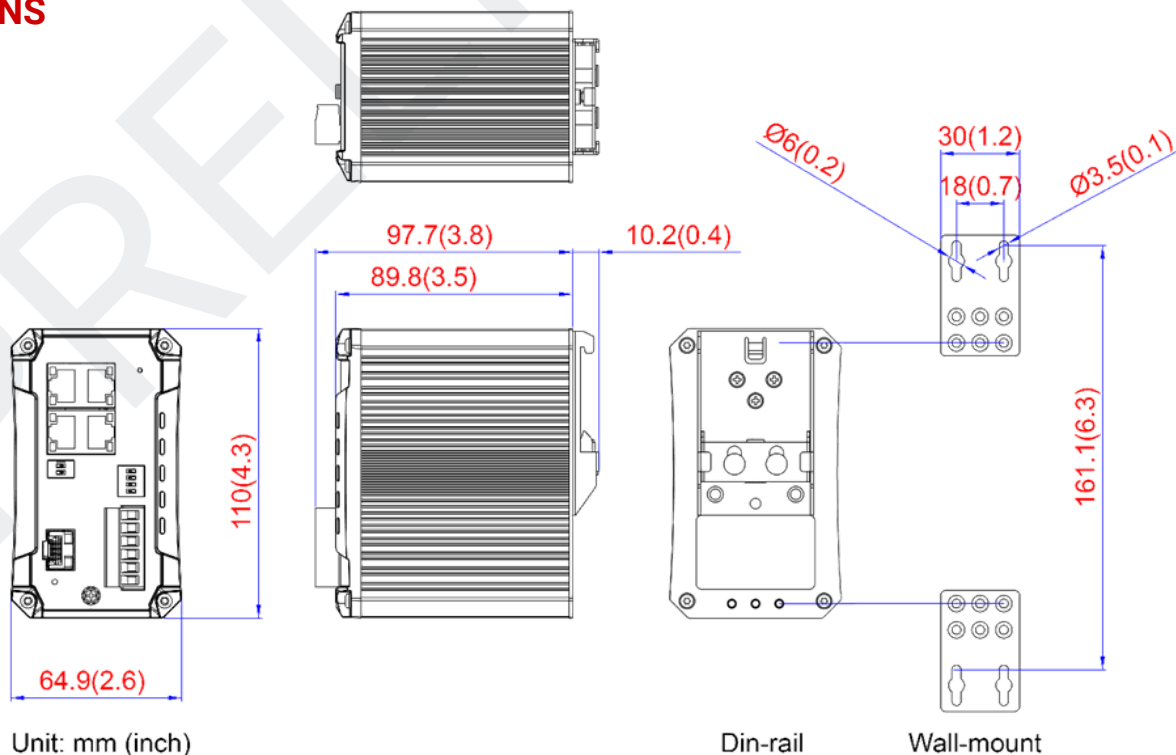► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-C501G-SFP-bt-24 Series is a 5-port industrial compact Gigabit PoE++ unmanaged Ethernet switch embedded with 4*10/100/1000Tx Ethernet ports that support IEEE802.3bt for a maximum of 90W/port, and 1*100/1000 dual rate SFP slot for fiber connection.

The LNP-C501G-SFP-bt-24 series is IP40 rated and DIN-rail mountable. There are also two wide-operating temperature models for either a standard temperature range (STD: -10°C to 65°C) or an extended temperature range (EOT: -40°C to 75°C). It also provides high EFT and ESD protection for industrial networking applications, such as power/utility, water wastewater, oil/gas/mining, factory automation, security surveillance, ITS, and any other outdoor or harsh environment.

DIMENSIONS

97.7(3.8)
89.8(3.5)
10.2(0.4)
110(4.3)
64.9(2.6)

Ø6(0.2)
30(1.2)
18(0.7)
Ø3.5(0.1)
161.1(6.3)

Unit: mm (inch)

Din-rail   Wall-mount

SPECIFICATIONS

TECHNOLOGY

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3af/at/bt Power over Ethernet

SWITCH PROPERTIES

Switch Architecture	Switching Fabric (Back-Plane): 10Gbps
Processing Type	Store and Forward
Flow Control	IEEE 802.3x flow control, back pressure flow control
Protocol	CSMA/CD
Transfer Rate	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet
MAC Table Size	8K
Jumbo Frame	10Kbytes
Memory Buffer	1Mbit

PORT INTERFACE

Ethernet Port	4*10/100/1000Base-TX (90W/Port), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
SFP Port	1*100/1000 SFP Slot
LED Indicators	System: Power 1, Power 2, Fault PoE Load: 70%, 90% Ethernet ports: Speed/Link/Active PoE: On-connected to PD devices SFP: Speed/Link/Active
DIP Switch	PoE Switch: Control PoE Function by Port DIP Switch 1: PD Remote Reset Technology (PRRT) Enable/Disable DIP Switch 2: SFP Speed (1000Mbps/100Mbps)
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat. 5/5E cable; EIA/TIA-568 100-ohm (100m)

MECHANICAL CHARACTERISTICS

Housing	Metal, IP40 protection
Dimension	64.9 x 110 x 89.8 mm (W x H x D)
Weight	Unit: 0.70 lb Shipping: 1.00 lb
Mounting	DIN-Rail mounting, Wall mounting

POWER REQUIREMENT

Input Voltage	9~55VDC Redundant Input (53~55VDC power input for BT PoE PSE)
Power Connection	1 removable 6-contact terminal block
Relay Contact	24VDC, 1A resistive
Overload Current Protection	Present (Slow-Blown Fuse)
Reverse Polarity Protection	Present
System Power Consumption	4.6 Watts
PoE Pin Out	V-, V-, V+, V+ for pin 1, 2, 3, 6 V+, V+, V-, V- for pin 4, 5, 7, 8 *Support Modes: Mode A, Mode B, 4-Pair Mode
PoE Power Budget	60W@9V, 90W@12V, 150W@24V, 240W@48~55

ENVIRONMENTAL LIMITS

Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°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
EMS	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
Certifications	FCC, CE
Warranty	5 Years

ORDERING INFORMATION

LNP-C501G-SFP-bt-24	5-Port Compact Industrial Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, 4*10/100/1000TX (90W/Port), 1*100/1000 SFP Slot; 9~55VDC Power Input
LNP-C501G-SFP-bt-24-T	5-Port Compact Industrial Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, 4*10/100/1000TX (90W/Port), 1*100/1000 SFP Slot; 9~55VDC Power Input; EOT: -40°C to 75°C

LNP-800AGH-24-T-CC

8-Port Industrial PoE+ Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 12~36VDC; EOT: -40°~75°C with Conformal Coating

Features

▶ Conformal Coating
▶ Support 8-Port 10/100Tx RJ45 Fast Ethernet
▶ Support Auto MDI/MDI-X Function
▶ Store-and-Forward Switching Architecture
▶ Surge Protection: 2,000 VDC Support
▶ ESD Protection: 6,000 VDC Support
▶ Redundant Power Input Design: 12~36VDC
▶ Power Polarity Reverse Protect
▶ Overload Current Resettable Fuse Present
▶ Built-in 1 Relay Output for Fault Alarm
▶ UL Class 1 Division 2 Certified
▶ IP30 Rugged Metal Case Design
▶ DIN-Rail and Wall Mount Support
▶ Operating Temperature Range: EOT: -40° to 75°C
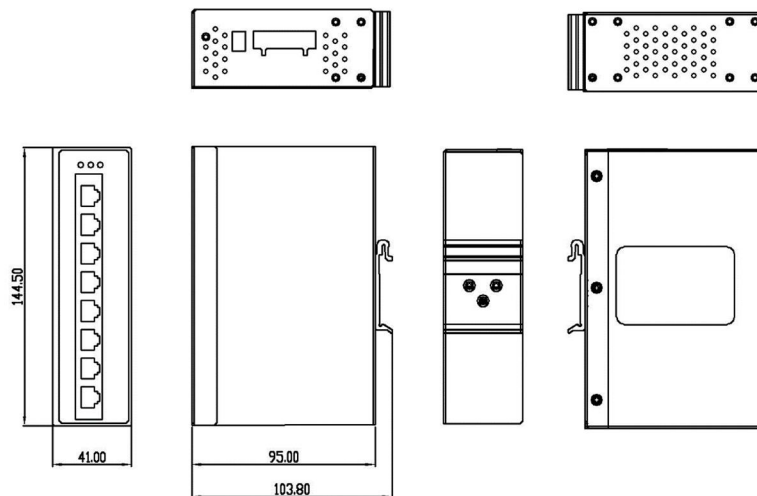▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-800AGH-24-T-CC is an 8-port industrial PoE+ unmanaged switch that supports 8*10/100/1000Tx Ethernet ports. The LNP-800AGH-24-T-CC is a backwards compliant PoE+ switch that will support IEEE802.3af/at standards providing a maximum of 30 watts per port with an input voltage of 12-36VDC. This unit has been conformal coated for corrosion prevention.

Conformal coating is a specialty film which conforms to the contours of the printed circuit board to protect the board from adverse environmental conditions. Antaira's conformal coating process meets or exceed the standards for protection against gases, dust, and water.

Antaira's LNP-800AGH-24-T-CC has been specifically designed for rugged and harsh environmental deployments. This product series is housed in a hardened IP30 rated metal enclosure that includes DIN-rail and wall mounting hardware. Also, this unit can operate in the extended temperature range (EOT: -40°C to 75°C). The LNP-800AGH-24-T-CC also provides high EFT and ESD protection for any industrial networking application within factory automation, ITS (including on-vehicle), solar, security or any other outdoor environment.

DIMENSIONS

144.50
41.00
95.00
103.80

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3U 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3x Flow Control for Full Duplex IEEE 802.3at/af PoE (Power-over-Ethernet)
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode

Switch Properties

Switch Architecture	Back-Plane: Non-Blocking Switching Fabric
Transfer Rate	14,880pps for 10Base-T Ethernet port 148,8800pps for 100Base-T Fast Ethernet port 1,480,000pps for 1000Base-T Gigabit Ethernet
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	8K

Interface

Ethernet Port	8*10/100/1000BaseTx (PSE: 30W/Port) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
PoE Port Pin Assignment	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End span, MDI-X Alternative A)
LED Indicators	Per Unit: Power 1 & 2 (Green), Fault (Red)
Network Cable	10Base-Tx: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-Tx: 2-pair UTP/STP Cat. 5 cable. 1000Base-Tx: 4-pair UTP/STP Cat. 5/5e/6

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	10 Watts (no PD included)
PoE Power Budget	90 Watts / 12VDC 200 Watts / 24-36VDC

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions	41 x 144.5 x 95mm
Weight	Unit: 1.0 lb Shipping: 1.5 lbs
Mounting	DIN-Rail and Wall-mount (optional)

Environmental Limits

Operating Temperature	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	EN6100-4-2,3,4,5,6,8,11,12 EN6100-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2
Corrosion Prevention	IEC 60068-2-11, IEC 60068-2-52, IEC 60068-2-60 IPC-CC-830B, MIL-I-46058C, IEC 61086-2 (Class 2), UL 94, UL 746E ISO 9223 (Class C5-Very High, Class GX-Severe) ANSI/ISA 71.04 (Class GX-Severe)
Warranty	5 Years

ORDERING INFO

LNP-800AGH-24-T-CC	8-Port Industrial PoE+ Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 12~36VDC; EOT: -40°~75°C with Conformal Coating

Optional Accessories

MDR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC
DR-75-24	75W 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
SDR-480-24	480W Industrial DIN-Rail Power Supply, 24VDC

LNP-1002G-SFP Series

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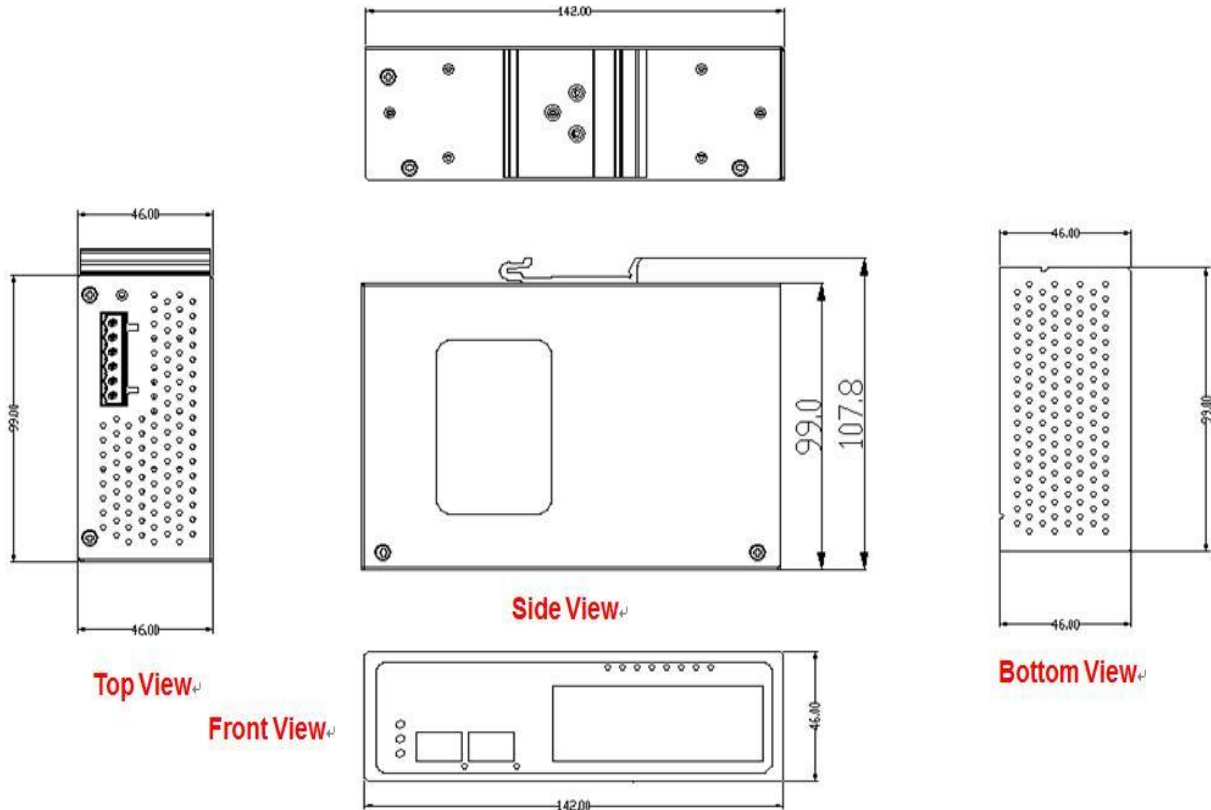
Features

- ► Supports 8-Port 10/100/1000Tx IEEE 802.3at PoE+ Compliant with 30W per Port, + 2-Port 100/1000 SFP
- ► Supports Auto MDI/MDI-X Function
- ► Store-and-Forward Switching Architecture
- ► 10Gbps Back-Plane (Switching Fabric)
- ► 8K MAC Address Table
- ► 9.6Kbytes Jumbo Frame Support
- ► 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-1002G-SFP series industrial PoE/PoE+ gigabit unmanaged Ethernet switch features 8*10/100/1000Tx ports, 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-1002G-SFP series is an ideal solution for harsh environments and industrial applications.

DIMENSIONS

Top View

Front View

Side View

Bottom View

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseTx 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 1,488,000pps for Gigabit Ethernet Port
Jumbo Frame	9.6Kbytes
MAC Table Size	8K

Interface	
Ethernet Port	8*RJ45 Ports w/10/100/1000Tx (PSE 30W/Port)
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 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	EN61000-4-2,3,4,5,6,8,11,12 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-1002G-SFP	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx (30W/Port), and 2*100/1000 SFP Slot
LNP-1002G-SFP-T	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx (30W/Port), and 2*100/1000 SFP Slot; 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-1002G-SFP-24 Series

10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W per Port), and 2*100/1000 SFP Slots; 12~36VDC Input
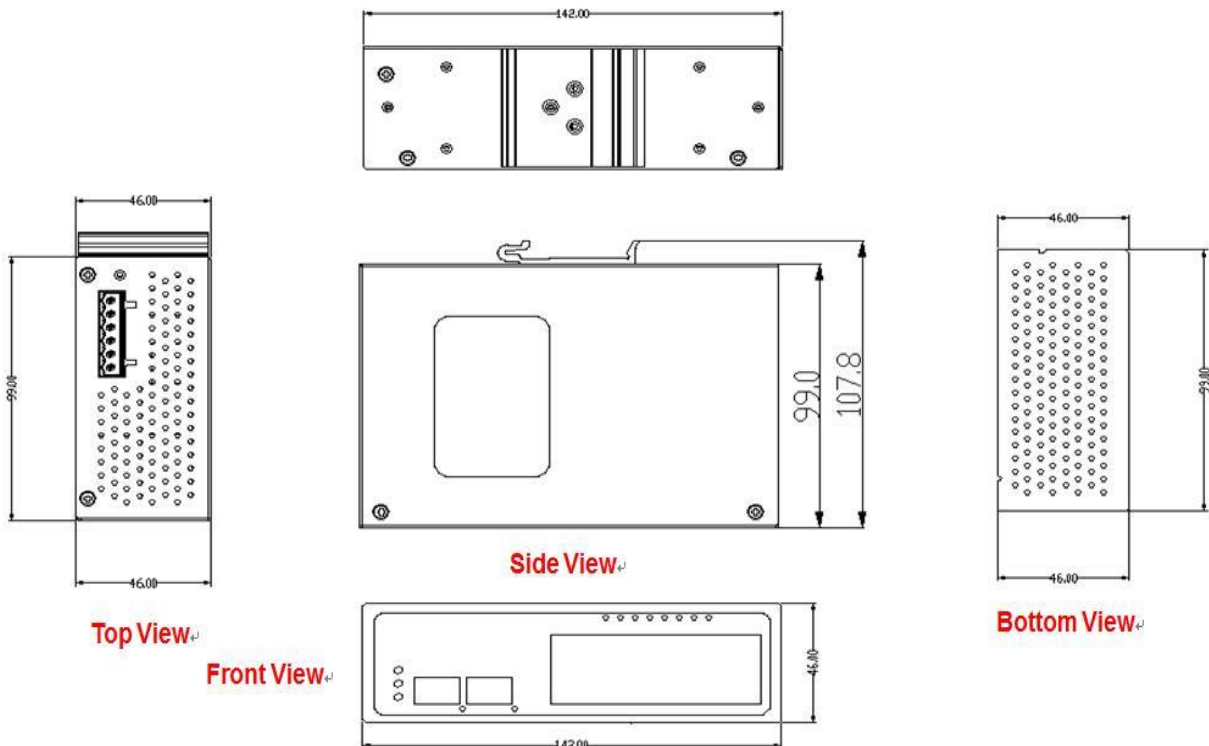

Features

► Supports 8-Port 10/100/1000Tx IEEE 802.3at PoE+ Compliant with 30W per Port, + 2-Port 100/1000 SFP
► Supports Auto MDI/MDI-X Function
► Store-and-Forward Switching Architecture
► 10Gbps Back-Plane (Switching Fabric)
► 8K MAC Address Table
► 9.6Kbytes Jumbo Frame Support
► 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-1002G-SFP-24 series industrial PoE/PoE+ gigabit unmanaged Ethernet switch features 8*10/100/1000Tx ports, 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 provides wide operation temperature models: standard version: –10° to 70°C and extended version: -40° to 75°C. The LNP-1002G-SFP-24 series also supports a low voltage power input range of 12~36VDC. It is an ideal solution for harsh environments and industrial applications.

DIMENSIONS

Top View

Front View

Side View

Bottom View

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseTx 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 1,488,000pps for Gigabit Ethernet Port
Jumbo Frame	9.6Kbytes
MAC Table Size	8K

Interface

Ethernet Port	8*RJ45 Ports w/10/100/1000Tx (PSE 30W/Port)
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 1000Base Tx: 2-pair UTP/STP Cat. 5/5E

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 @ 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	EN61000-4-2,3,4,5,6,8,11,12 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-1002G-SFP-24	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx (30W/Port), and 2*100/1000 SFP Slot; 12~36VDC input
LNP-1002G-SFP-24-T	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx (30W/Port), and 2*100/1000 SFP Slot; 12~36VDC input; EOT: -40 to 75C

Optional Accessories

MDR-60-24	60W Industrial Din Rail Power Supply, 24VDC
DR-75-24	75W Industrial Din Rail Power Supply, 24VDC
DR-120-24	120W Industrial Din Rail Power Supply, 24VDC
DRP-240-24	240W Industrial Din Rail Power Supply, 24VDC

LNP-1002G-SFP-T-CC

10-Port Industrial PoE+ Gigabit Unmanaged Switch, with 8*10/100/1000Tx (30W/Port) and 2*100/1000 SFP Slots, EOT: -40° to 75°C, with Conformal Coating
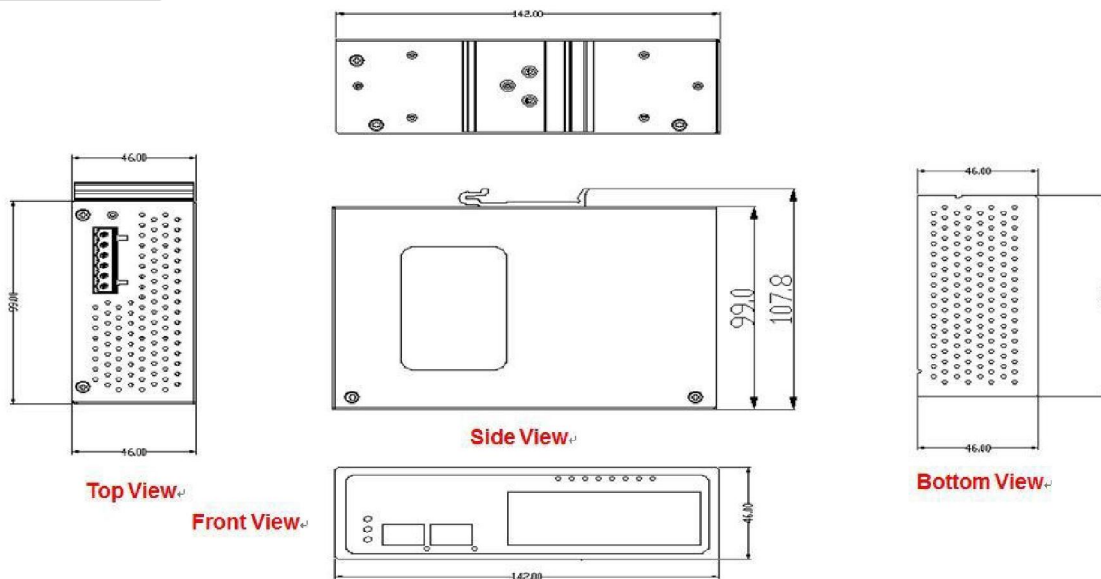
Features

▶ **Conformal Coating**
▶ **Supports 8-Port 10/100/1000Tx IEEE 802.3at PoE+ Compliant with 30W per Port and 2-Port 100/1000 SFP**
▶ **Supports Auto MDI/MDI-X Function**
▶ **Store-and-Forward Switching Architecture**
▶ **10Gbps Back-Plane (Switching Fabric)**
▶ **8K MAC Address Table**
▶ **9.6Kbytes Jumbo Frame Support**
▶ **Surge Protection: 2,000 VDC**
▶ **ESD Protection: 6,000 VDC**
▶ **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: EOT: -40° to 75°C**
▶ **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-1002G-SFP-T-CC industrial PoE/PoE+ gigabit unmanaged Ethernet switch features 8*10/100/1000Tx ports, 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 extended operation temperature of -40° to 75°C. The LNP-1002G-SFP-T-CC is an ideal solution for harsh environments and industrial applications.

Conformal coating is a specialty film which conforms to the contours of the printed circuit board to protect the board from adverse environmental conditions. Antaira's conformal coating process meets or exceed the standards for protection against gases, dust, and water.

DIMENSIONS

Top View
Front View
Side View
Bottom View

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseTx 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 1,488,000pps for Gigabit Ethernet Port
Jumbo Frame	9.6Kbytes
MAC Table Size	8K

Interface

Ethernet Port	8*RJ45 Ports w/10/100/1000Tx (PSE: 30W/Port)
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 1000Base Tx: 2-pair UTP/STP Cat. 5/5E

Power Requirement

Input Voltage	48~55VDC, Redundant Input
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
Power Consumption	210 Watts @ 48V 250 Watts @ 51-55V (Full Load w/ PoE)

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions	46 x 99 x 142mm
Weight	Unit: 1.5 lbs Shipping: 2.0 lbs
Mounting	DIN-Rail, Wall-mount (optional)

Environmental Limits

Operating Temperature	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	EN61000-4-2,3,4,5,6,8,11,12 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
Corrosion Prevention	IEC 60068-2-11, IEC 60068-2-52, IEC 60068-2-60 IPC-CC-830B, MIL-I-46058C, IEC 61086-2 (Class 2), UL 94, UL 746E ISO 9223 (Class C5-Very High, Class GX-Severe) ANSI/ISA 71.04 (Class GX-Severe)
Warranty	5 Years

ORDERING INFO

LNP-1002G-SFP-T-CC	10-Port Industrial PoE+ Gigabit Unmanaged Switch, with 8*10/100/1000Tx (30W/Port) and 2*100/1000 *SFP Slots*, *EOT*: -40° to 75°C, with Conformal Coating

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-1202G-SFP Series

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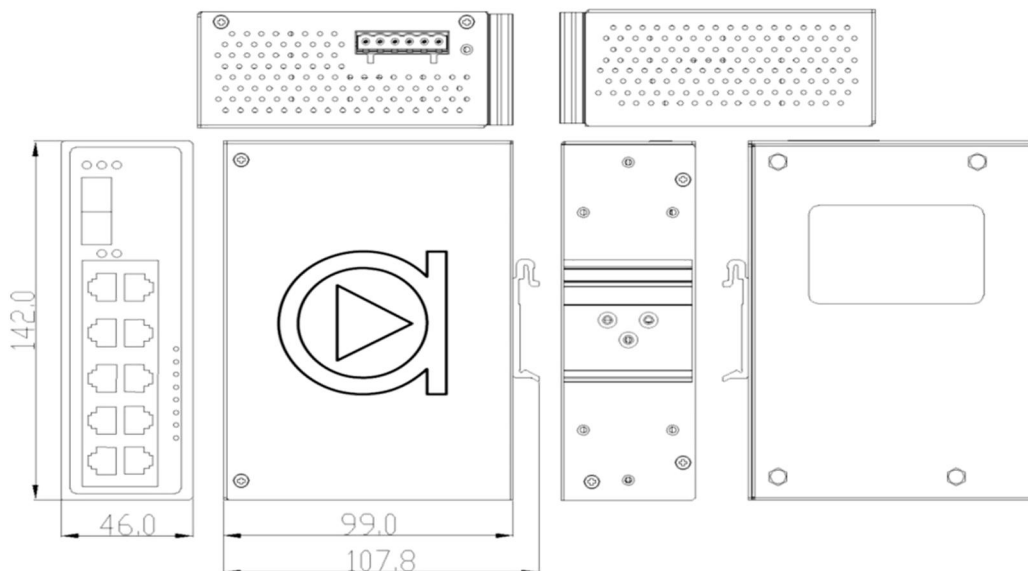(w/8*PSE: 30W/Port), and 2*100/1000 SFP Slots

Features

► Supports 8*10/100/1000Tx IEEE 802.3at PoE+
  Compliant with 30W/Port, +2*10/100/1000Tx, and
  2-Port 100/1000 SFP
► Supports Auto MDI/MDI-X Function
► Store-and-Forward Switching Architecture
► 24Gbps Back-Plane (Switching Fabric)
► 8K MAC Address Table
► 9.6Kbytes Jumbo Frame Support
► 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-1202G-SFP industrial PoE+ gigabit unmanaged Ethernet switch features ten Gigabit ports, of which eight ports support IEEE 802.3at high power PoE (30W/Port). The LNP-1202G-SFP also provides two dual rate 100/1000Fx SFP slots for fiber connections, making it ideal for applications that demand PoE power support, high bandwidth and long-distance communication within any harsh or outdoor environment. This product series also provides high EFT and ESD protection to prevent any unregulated voltage. Plus, it provides two wide operating temperature models to support either a -10° to 70°C or -40° to 75°C environment.

The LNP-1202G-SFP product series is ideal for supporting applications that require high density PoE+ port connections, such as, security surveillance, traffic monitoring systems, facility management in power/utility, water wastewater treatment plants, oil/gas/mining, and GigE machine vision systems within factory automation.

DIMENSIONS

142.0

46.0

99.0

107.8

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseTx 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): 24Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Protection	Surge: 2,000VDC & ESD: 6,000VDC
Memory Buffer	7,926pps (default)
Jumbo Frame	9.6Kbytes
MAC Table Size	8K

Interface

Ethernet Port	10*10/100/1000Tx RJ45 (w/8*PSE: 30W/Port)
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 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	Unit Consumes 10 Watts Full load w/PoE 215W@48V / 255W@51~55V

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions	46 x 99 x 142 mm (W*D*H)
Weight	Unit: 1.8lbs. Shipping Weight: 2.3 lbs.
Mounting	DIN-Rail and Wall mounting Provided

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-1202G-SFP	12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 10*10/100/1000Tx (30W/Port), and 2*100/1000 SFP; 48~55VDC input
LNP-1202G-SFP-T	12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 10*10/100/1000Tx (30W/Port), and 2*100/1000 SFP Slot; 48~55VDC input; EOT: -40 to 75C

Optional Accessories

MDR-100-48	100W Industrial Din Rail Power Supply, 48VDC
SDR-120-48	120W Industrial Din Rail Power Supply, 48VDC
SDR-240-48	240W Industrial Din Rail Power Supply, 48VDC
DRP-240-48	240W Industrial Din Rail Power Supply, 48VDC
DRP-480-48	480W Industrial Din Rail Power Supply, 48VDC

LNP-1204G-SFP Series

12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (PSE: 30W/Port), and 4*100/1000 SFP Slots
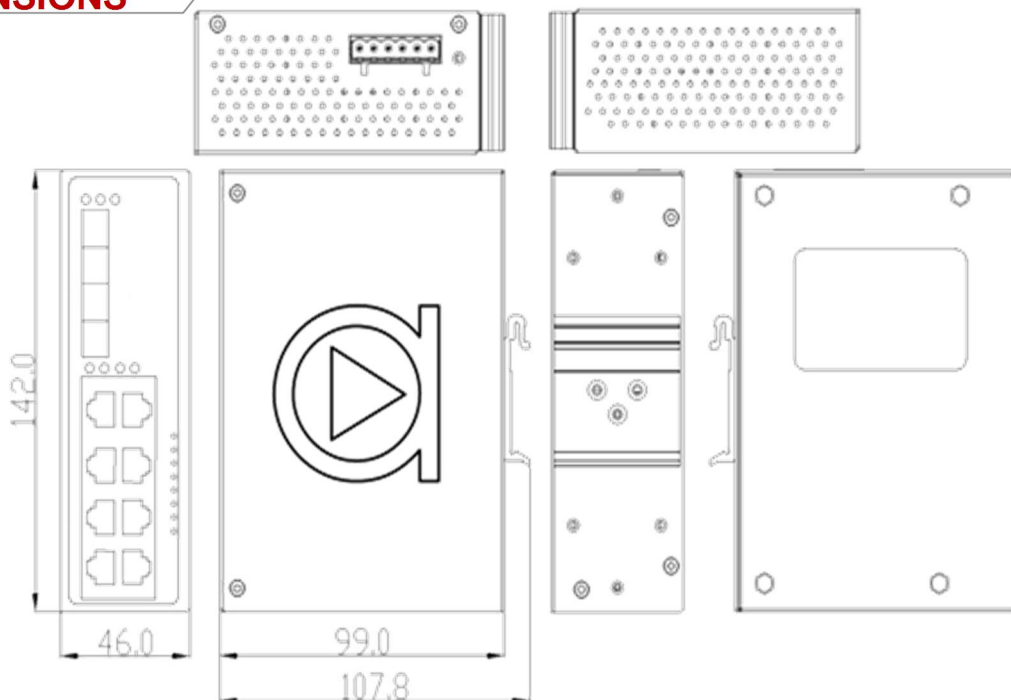
Features

- ► Supports 8*10/100/1000Tx IEEE 802.3at PoE+ Compliant with 30W/Port, + 4-Port 100/1000 SFP
- ► Supports Auto MDI/MDI-X Function
- ► Store-and-Forward Switching Architecture
- ► 24Gbps Back-Plane (Switching Fabric)
- ► 8K MAC Address Table
- ► 9.6Kbytes Jumbo Frame Support
- ► 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-1204G-SFP series industrial PoE+ gigabit unmanaged Ethernet switch features eight Gigabit ports with IEEE 802.3at high power PoE (30W/Port). The LNP-1204G-SFP series also provides four dual rate 100/1000Fx SFP slots for fiber connections, making it ideal for applications that demand PoE power support, high bandwidth and long-distance communication within any harsh or outdoor environment. This product series also provides high EFT and ESD protection to prevent any unregulated voltage. Plus, it provides two wide operating temperature models to support either a -10 to 70°C or -40 to 75°C environment.

The LNP-1204G-SFP series is ideal for supporting applications that require high density PoE+ port connections, such as, security surveillance, traffic monitoring systems, facility management in power/utility, water wastewater treatment plants, oil/gas/mining, and GigE machine vision systems within factory automation.

DIMENSIONS

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseTx 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): 24Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Protection	Surge: 2,00VDC & ESD: 6,000VDC
Memory Buffer	7,926pps (default)
Jumbo Frame	9.6Kbytes
MAC Table Size	8K

Interface	
Ethernet Port	8*10/100/1000Tx RJ45 (w/8*PSE: 30W/Port)
Fiber Port	4*100/1000 SFP Slot
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/6

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	Unit Consumes 15 Watts Full load w/PoE 215W@48V / 255W@51~55V

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	46 x 99 x 142 mm (W*D*H)
Weight	Unit: 1.8 lbs. Shipping Weight: 2.3 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
Warranty	5 Years

ORDERING INFO

LNP-1204G-SFP	12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx (30W/Port), and 4*100/1000 SFP Slot; 48~55VDC input
LNP-1204G-SFP-T	12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx (30W/Port), and 4*100/1000 SFP Slot; 48~55VDC input; EOT: -40 to 75C
Optional Accessories	
MDR-100-48	100W Industrial Din Rail Power Supply, 48VDC
SDR-120-48	120W Industrial Din Rail Power Supply, 48VDC
SDR-240-48	240W Industrial Din Rail Power Supply, 48VDC
DRP-240-48	240W Industrial Din Rail Power Supply, 48VDC
DRP-480-48	480W Industrial Din Rail Power Supply, 48VDC

LNP-1604G-SFP Series

16-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 12*10/100/1000Tx, and 4*100/1000 SFP Slots
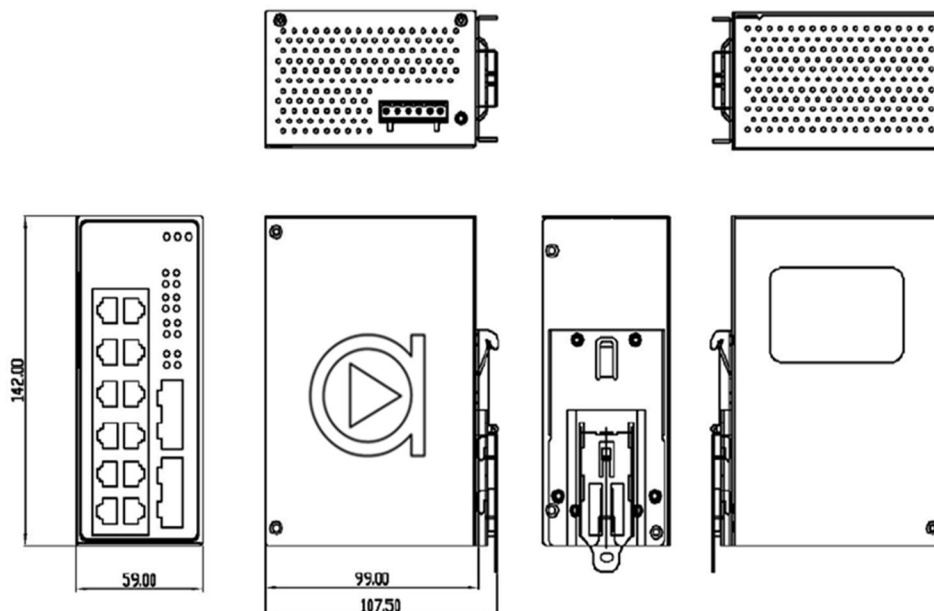
Features

▶ Supports 12*10/100/1000Tx IEEE 802.3at PoE+ Compliant (PSE: 30W/Port), + 4*100/1000 SFP Slots
▶ Store-and-Forward Switching Architecture
▶ 8K MAC Address Table
▶ Jumbo Frame Support: 12.2Kbytes
▶ 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-1604G-SFP industrial gigabit PoE+ unmanaged Ethernet switch series has twelve 10/100/1000TX RJ45 ports that support IEEE 802.3af/at PoE/PoE+ standards supplying up to 30 watts per port. The device also has four dual rate (100/1000) SFP slots for fiber connection. It is IP30 rated design with both DIN-Rail and wall mounting options. It is ideal for applications that require high density port connections with full high PoE power outputs, wide network bandwidth, and multiple gigabit fiber connections. The LNP-1604G-SFP series works well in industrial applications such as, security video surveillance, GigE machine vision, process control automation and intelligent transportation. This product series provides high EFT and ESD protection with a redundant power input support of 48~55VDC. There are two wide operating temperature models to support either a -10° to 70°C or -40° to 75°C environment.

DIMENSIONS

142.00   59.00   99.00   107.50

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseTx IEEE 802.3z Gigabit Fiber 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 (Non-Block Switching Fabric)
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Protection	EFT: 2,000VDC; ESD: 6,000VDC
Memory Buffer	4 Mbit
Jumbo Frame	12.2Kbytes
MAC Table Size	8K
Interface	
Ethernet Port	12*RJ45 Ports w/10/100/1000Tx (w/PSE: 30W/port), auto negotiation speed, Full/Half duplex, and auto MDI/MDIX connection
Fiber Port	4*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 1000Base Tx: 2-pair UTP/STP Cat. 5/5E
Power Requirements	
Input Voltage	48~55VDC, Redundant Input
Overload Current Protection	Present (Slow-Blown Fuse)
Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Yes
Power Consumption	16W; (376W w/full PSE load)
Relay Contact	24 VDC, 1A resistive

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	59 x 99 x 142 mm (W*D*H)
Weight	Unit: 2.2 lbs. Shipping Weight: 2.7 lbs.
Mounting	DIN-Rail and wall mounting
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 Part 15 Subpart B Class A, CE EN 55022 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
Compliance	NEMA TS1/TS2 (ITS) EN50121-4 (Railway)
Warranty	5 Years

ORDERING INFO

LNP-1604G-SFP	16-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/ 12*10/100/1000Tx, and 4*100/1000 SFP Slot
LNP-1604G-SFP-T	16-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/ 12*10/100/1000Tx, and 4*100/1000 SFP Slot; EOT: -40 to 75°C
Optional Accessories	
SFP-M-T	1 Gigabit Fiber SFP Transceiver, Multi-Mode 550KM / LC/ 850NM, -40° to 85°C
SFP-S10-T	1 Gigabit Fiber SFP Transceiver, Single-Mode 10KM / LC/ 1310NM, -40° to 85°C
DR-120-48	120W Industrial Din Rail Power Supply, 48VDC
DRP-240-48	240W Industrial Din Rail Power Supply, 48VDC
DRP-480-48	480W Industrial Din Rail Power Supply, 48VDC

LNP-2602G-SFP Series

26-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 24*10/100/1000Tx (PSE: 30W/Port), and 2* Gigabit Combo Ports (2*10/100/1000TX RJ45 and 2*100/1000 SFP Slots)
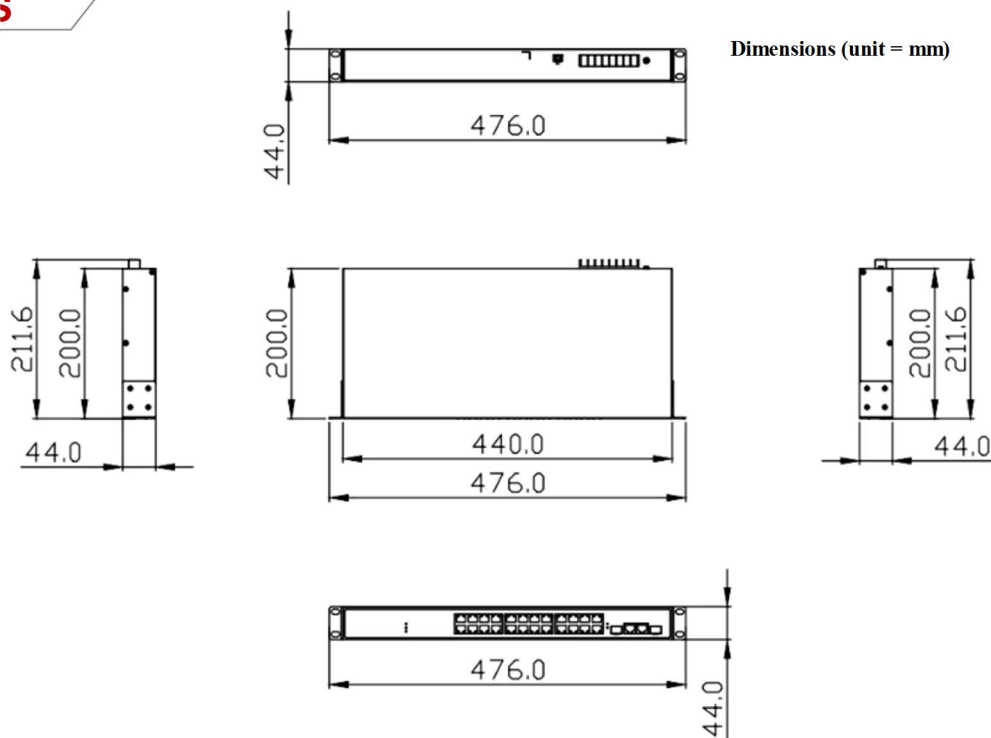
Features

► **IP40 1U 19" Rackmount Rugged Metal Case Design**
► **24-port 10/100/1000Tx RJ45 Ethernet (with full 24-port PoE+ output power up to 30W/port)**
► **2* Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slot)**
► **9.6Kbytes Jumbo Frame Support**
► **Redundant Power Input Design: 48~55VDC**
► **Built-in 1 Relay Output for Power Failure Warning**
► **Operating Temperature Range - STD: -10° to 70° C, EOT: -40° to 75° C**
► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-2602G-SFP industrial gigabit PoE+ unmanaged Ethernet switch features twenty-four Gigabit ports with IEEE 802.3at high power PoE (30W/Port). The LNP-2602G-SFP also provides two gigabit combo ports with two 10/100/1000 Twisted pair and two dual rate 100/1000Fx SFP ports for fiber or twisted pair connections to support any applications that demand high PoE power support, high bandwidth and long distance communication within any harsh and extreme ambient weather environment. This product series also provides high EFT and ESD protection to prevent any unregulated voltage, and provides two wide operating temperature models with standard version in -10 to 70˚C, or extended version in - 40 to 75˚C.

The LNP-2602G-SFP product series is ideal for supporting applications that require high density PoE+ port connections, such as, security surveillance, traffic monitoring systems, facility management in power/utility, water wastewater treatment plants and oil/gas/mining.

DIMENSIONS

Dimensions (unit = mm)

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X Gigabit Fiber 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: Non-Blocking Switching Fabric
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	8K

Interface	
Ethernet Port	24*10/100/1000Tx RJ45 (w/24*PSE: 30W/Port)
PoE Pin out	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI/MDIX Alternative A
Gigabit Combo Port (Copper/SFP)	2*RJ45 Ports w/10/100/1000Tx Ethernet and 2*100/1000 SFP Slot
Wavelength	Refer to SFP module
Network Cable	10BaseTx: UTP/STP Cat. 3,5 100BaseTx: UTP/STP Cat. 5 1000BaseTx: UTP/STP Cat.5/5e/6

Power Requirements	
Input Voltage	48~55VDC, Redundant Input
Overload Current Protection	Present (Slow-Blown Fuse)
Reverse Polarity Protection	Yes
PoE Power Output	30 Watts max. per PoE port
Power Consumption	24 Watts for System
Max PoE Power Budget	720 Watts
Relay Contact	24VDC, 1A resistive

Mechanical Characteristics	
Housing	Metal, IP40 protection
Dimensions	440 x 44 x 200 mm (W x H x D)
Weight	Unit Weight: 6.0 lbs., Shipping Weight: 8.0 lbs.
Mounting	1U 19" Rackmount

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 Part 15 Subpart B Class A, CE EN 55022 Class A
EMS	IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Safety	UL 61010-1, UL 61010-2-201
Warranty	5 Years

ORDERING INFO

LNP-2602G-SFP	26-Port Industrial Gigabit PoE+ Ethernet Switch, w/24*10/100/1000Tx (PSE: 30W/port), and 2* Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slot)
LNP-2602G-SFP-T	26-Port Industrial Gigabit PoE+ Ethernet Switch, w/24*10/100/1000Tx (PSE: 30W/port), and 2* Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slot); EOT: -40° to 75° C
Optional Accessories	
SFP-M-T	1.25Gbps Ethernet SFP Transceiver, Multi-Mode 550M / LC / 850nm, -40°C~85°C
SFP-S10-T	1.25Gbps Ethernet SFP Transceiver, Single Mode 10KM / LC / 1310nm, -40°C~85°C
SDR-960-48	960W Industrial DIN Rail Power Supply, 48VDC

LNP-C500G Series

Compact 5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/4*10/100/1000Tx (PSE: 30W/Port) + 1*10/100/1000Tx
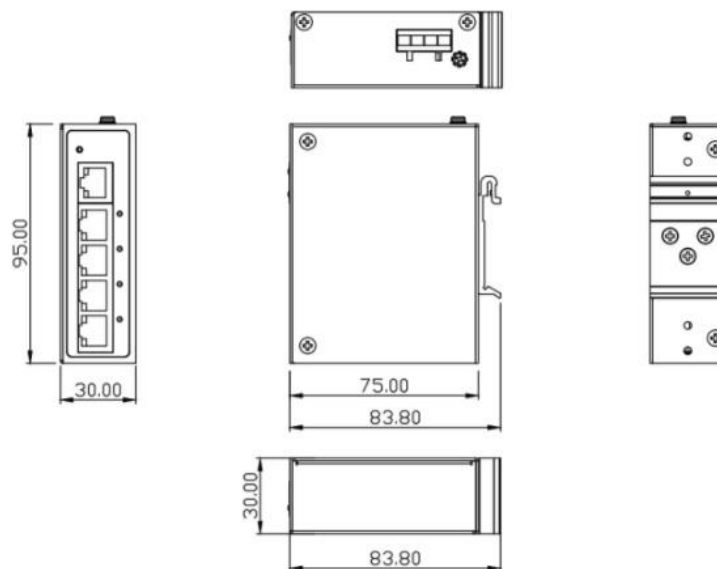
Features

▶ Compact Industrial Grade Design
▶ Supports 4*10/100/1000Tx Gigabit Ethernet Ports (PSE: 30W/Port) and 1*10/100/1000Tx Port
▶ Supports Auto MDI/MDI-X Function
▶ Jumbo Frame Support: 10k
▶ Surge Protection: 2,000 VDC Support
▶ ESD Protection: 6,000 VDC Support
▶ Provide Max. 120W Full PoE Power Budget
▶ Redundant Power Input Design: 48~55VDC
▶ Power Polarity Reverse Protection
▶ Overload Current Protection
▶ IP30 Rugged Metal Case Design
▶ DIN-Rail and Wall Mount Support
▶ Operating Temperature Range: STD: -10°C to 70°C, EOT: -40°C to 75°C
▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-C500G series is a compact 5-port industrial gigabit PoE+ unmanaged Ethernet switch. The small form factor of this metal IP30 rated design is 50% smaller which allows for a more versatile implementation. The LNP-C500G series is equipped with 4*10/100/1000Tx Ethernet ports that support IEEE 802.3af/at for a maximum of 30W/port and 1*10/100/1000Tx Ethernet port. The LNP-C500G series can handle high bandwidth applications in tight spaces.

The LNP-C500G series supports high EFT & ESD protection through the redundant power inputs that support reverse polarity and overload current protection. This product series supports DIN-rail as well as wall mountable orientations and provides operating temperature range models in STD: -10°C to 70°C and EOT: -40°C to 75°C. This is an industrial grade unit applicable for networking applications in factory automation, ITS, power/utility, water wastewater treatment plants, or any application that needs a compact solution.

DIMENSIONS

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3U 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3af/at Power over Ethernet

Switch Properties

Protocol	CSMA/CD
Data Process	Store and Forward
Transfer Rate	14,880pps for 10Base-T Ethernet port 148,800pps for 100Base-T Fast Ethernet port 1,488,000pps for 1000Base-T Gigabit Ethernet
Memory Buffer	1 Mbit
MAC Table Size	8K
Jumbo Frame	10K bytes
Flow Control	IEEE 802.3x flow control, back pressure flow control

Port Interface

Ethernet RJ45 Port	5*10/100/1000BaseTx with 4*PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
PoE Pin Assignment	RJ-45 port #1~#4 support IEEE 802.3af End-point, Alternative A mode. Positive (VCC+): RJ-45 pin 1, 2. Negative (VCC-): RJ-45 pin 3, 6. Data (1, 2, 3, 6)

Protection

Overload Current Protection	Present
Reverse Polarity Protection	Present
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable. 1000Base-Tx 4-pair UTP/STP Cat. 5/5e/6 cable

Mechanical Characteristics

LED Indicator	Power Ethernet Ports: On – Link / Flash - data transmitting PoE: On – connected to PD devices
Housing	Metal, IP30 rated
Dimensions	30 x 95 x 75 mm (W*H*D)
Weight	Unit: 0.77 lb; Shipping: 0.99 lb
Mounting	DIN-Rail; Wall-mount (optional)

Power Requirement

Input Voltage	48~55VDC, Redundant Input
Power Connection	1 removable 4-contact terminal block
Power Consumption	5.5 Watts for system
Max. PoE Power Budget	120Watts

Environmental Limits

Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class, CE EN 55022 Class A
EMS	EN 61000-6-2, EN 61000-6-4
Free Fall	IEC 60068-2-32
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL-61010-1, 61010-2-201
Warranty	5 Years

ORDERING INFO

LNP-C500G	Compact 5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/4*10/100/1000Tx (PSE: 30W/Port) + 1*10/100/1000Tx
LNP-C500G-T	Compact 5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/4*10/100/1000Tx (PSE: 30W/Port) + 1*10/100/1000Tx; EOT: -40°C to 75°C

Optional Accessories

DR-75-48	75 Watt Series / 48 VDC / 1.6 Amps Industrial Single Output DIN Rail Power Supply
DR-120-48	120 Watt Series / 48 VDC / 2.5 Amps Industrial Single Output DIN Rail Power Supply
SDR-120-48	120 Watt Series / 48 VDC / 2.5 Amps Industrial Slim High-Efficiency Single Output DIN Rail Power Supply
SDR-240-48	240 Watt Series / 48 VDC / 5.0 Amps Industrial Slim High-Efficiency Single Output DIN Rail Power Supply
SDR-480-48	480 Watt Series / 48 VDC / 10.0 Amps Industrial Slim High-Efficiency Single Output DIN Rail Power Supply