LNP-0702C-SFP-24 Series

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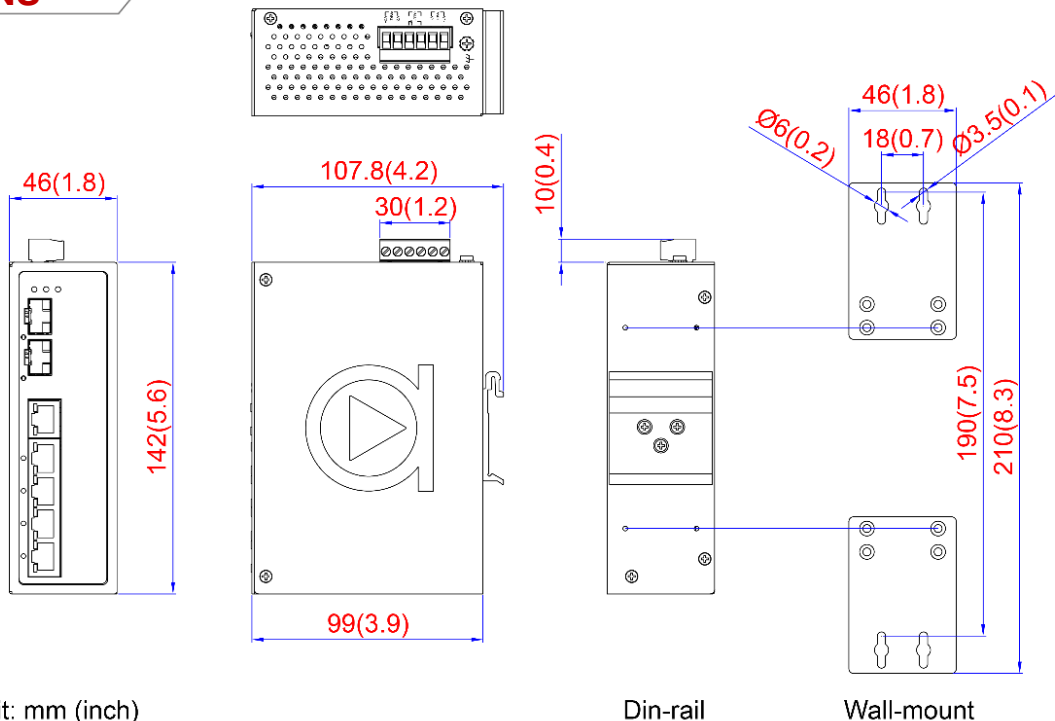
Features

► **Supports 4*10/100Tx IEEE 802.3af/at Compliant with 30W/Port, 1*10/100Tx Ethernet Port, and 2*100/1000 SFP Slots**
► **Supports Auto MDI/MDI-X Function**
► **Store-and-Forward Switching Architecture**
► **5Gbps Back-Plane (Switching Fabric)**
► **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°C to 70°C, EOT: -40°C to 75°C
► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-0702C-SFP-24 series is a 7-port industrial gigabit PoE+ unmanaged Ethernet switch embedded with 4*10/100Tx Ethernet ports that support IEEE 802.3af/at for a maximum of 30W/port, 1*10/100Tx Ethernet port, and 2*100/1000 dual rate SFP slots for fiber connection.

The LNP-0702C-SFP-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 70°C) or an extended temperature range (EOT: -40°C to 75°C).

DIMENSIONS

46(1.8)

107.8(4.2)

30(1.2)

142(5.6)

99(3.9)

10(0.4)

46(1.8)

18(0.7)

Ø6(0.2)

Ø3.5(0.1)

190(7.5)

210(8.3)

Unit: mm (inch)

Din-rail

Wall-mount

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3z Gigabit Fiber IEEE 802.3af/at Power over Ethernet

Switch Properties	
Switch Architecture	Switching Fabric (Back-Plane): 5Gbps
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
MAC Table Size	8K
Jumbo Frame	9.6Kbytes
Memory Buffer	4Mbits

Port Interface	
Ethernet Port	5*10/100BaseTx with 4*PoE+ (PSE: 30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
SFP Port	2*100/1000 SFP Slots
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: Speed/Link/Active SFP: Link/Active 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)

Mechanical Characteristics	
Housing	Metal, IP30 rated
Dimension	46 x 142 x 99 mm (W x H x D)
Weight	Unit: 1.81 lbs; Shipping: 1.93 lbs
Mounting	DIN-Rail mounting, Wall mounting

Power Requirement	
Input Voltage	12~36VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Overload Current Protection	Present (Slow-Blown Fuse)
Reverse Polarity Protection	Present
System Power Consumption	9W
PoE Power Budget	60W@12VDC 120W@36VDC
Relay Contact	24VDC, 1A resistive

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 A, CE EN55022/EN61000-6-4 Class A
EMS	CE EN55024/EN61000-6-2: 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, UL61010-1, UL61010-2-201
Warranty	5 Years

ORDERING INFO

LNP-0702C-SFP-24	7-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port), 1*10/100Tx, and 2*100/1000 SFP Slots; 12~36VDC Power Input
LNP-0702C-SFP-24-T	7-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port), 1*10/100Tx, and 2*100/1000 SFP Slots; 12~36VDC Power Input; EOT: -40°C to 75°C