

LNP-0702C-SFP Series

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



Features

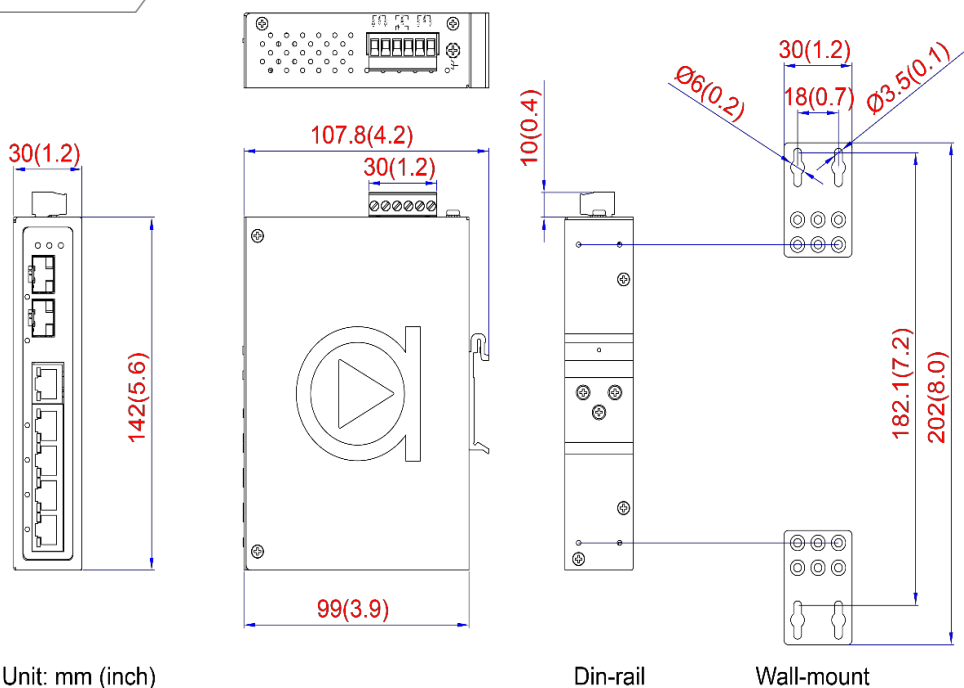
- ▶ Supports 4*10/100Tx IEEE 802.3af/at Compliant with 30W/Port, 1*10/100Tx Ethernet Port, and 2*100/1000 SFP Slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 5Gbps Back-Plane (Switching Fabric)
- ▶ Redundant Power Input Design: 48~55VDC
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: STD: -10°C to 70°C, EOT: -40°C to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-0702C-SFP 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 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



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	30 x 142 x 99 mm (W x H x D)
Weight	Unit: 1.28 lbs; Shipping: 1.6 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	9W
PoE Power Budget	100W@48VDC 120W@55VDC
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, 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+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port), 1*10/100Tx, and 2*100/1000 SFP Slots
LNP-0702C-SFP-T	7-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port), 1*10/100Tx, and 2*100/1000 SFP Slots; EOT: -40°C to 75°C

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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