

# LNP-0702G-SFP Series

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



## Features

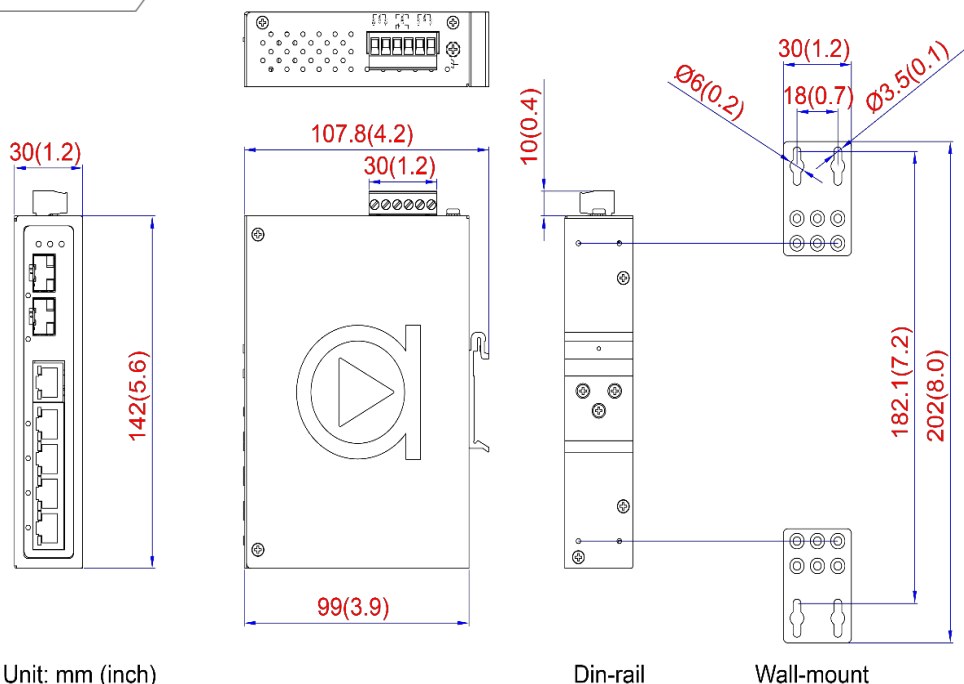
- ▶ Supports 4\*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port, 1\*10/100/1000Tx Ethernet Port, and 2\*100/1000 SFP Slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 14Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Redundant Power Input Design: 48~55VDC
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: STD: -10°C to 70°C, EOT: -40°C to 75°C
- ▶ 5-Year Warranty

## INTRODUCTION

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

The LNP-0702G-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

<b>Technology</b>	
<b>Standards</b>	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseTx Gigabit Ethernet IEEE 802.3z Gigabit Fiber IEEE 802.3af/at Power over Ethernet
<b>Switch Properties</b>	
<b>Switch Architecture</b>	Switching Fabric (Back-Plane): 14Gbps
<b>Processing Type</b>	Store and Forward
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control
<b>Protocol</b>	CSMA/CD
<b>Transfer Rate</b>	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet
<b>MAC Table Size</b>	8K
<b>Jumbo Frame</b>	9.6Kbytes
<b>Memory Buffer</b>	4Mbits
<b>Port Interface</b>	
<b>Ethernet Port</b>	5*10/100/1000BaseTx with 4*PoE+ (PSE: 30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>SFP Port</b>	2*100/1000 SFP Slots
<b>PoE Pin Out</b>	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
<b>LED Indicators</b>	System: Power 1, Power 2, Fault Ethernet ports: Speed/Link/Active SFP: Link/Active PoE: On-connected to PD devices
<b>Network Cable</b>	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)

<b>Mechanical Characteristics</b>	
<b>Housing</b>	Metal, IP30 rated
<b>Dimension</b>	30 x 142 x 99 mm (W x H x D)
<b>Weight</b>	Unit: 1.28 lbs; Shipping: 1.62 lbs
<b>Mounting</b>	DIN-Rail mounting, Wall mounting
<b>Power Requirement</b>	
<b>Input Voltage</b>	48~55VDC Redundant Input
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Overload Current Protection</b>	Present (Slow-Blown Fuse)
<b>Reverse Polarity Protection</b>	Present
<b>System Power Consumption</b>	9W
<b>PoE Power Budget</b>	100W@48VDC 120W@55VDC
<b>Relay Contact</b>	24VDC, 1A resistive
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	STD: -10°C to 70°C EOT: -40°C to 75°C
<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Regulatory Approvals</b>	
<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN55022/EN61000-6-4 Class A
<b>EMS</b>	CE EN55024/EN61000-6-2: EN61000-4-2,3,4,5,6,8
<b>Free Fall</b>	IEC60068-2-32
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6
<b>Green</b>	RoHS Compliant
<b>Certifications</b>	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
<b>Warranty</b>	5 Years

## ORDERING INFO

<b>LNP-0702G-SFP</b>	7-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (30W/Port), 1*100/1000Tx, and 2*100/1000 SFP Slots
<b>LNP-0702G-SFP-T</b>	7-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (30W/Port), 1*100/1000Tx, 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.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660