

LNP-0702G-SFP-24 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; 12~55VDC Power Input



Features

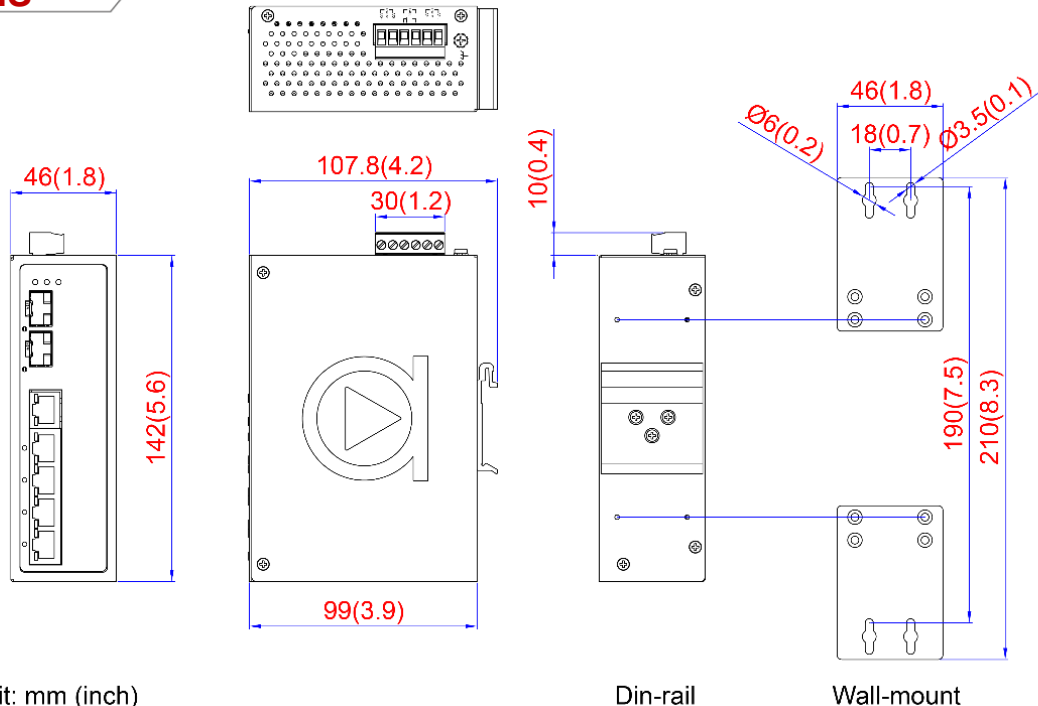
- ▶ Supports 4*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port, 1*10/100/1000Tx Ethernet Port, and 2*100/1000 SFP Slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 14Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Redundant Power Input Design: 12~55VDC
- ▶ 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-24 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-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



SPECIFICATIONS

Technology		Mechanical Characteristics	
Standards	IEEE 802.3 10BaseT Ethernet	Housing	Metal, IP30 rated
	IEEE 802.3u 100BaseTx Fast Ethernet	Dimension	46 x 142 x 99 mm (W x H x D)
	IEEE 802.3ab 1000BaseTx Gigabit Ethernet	Weight	Unit: 1.81 lbs; Shipping: 2.23 lbs
	IEEE 802.3z Gigabit Fiber	Mounting	DIN-Rail mounting, Wall mounting
	IEEE 802.3af/at Power over Ethernet	Power Requirement	
Switch Properties		Input Voltage	12~55VDC Redundant Input
Switch Architecture	Switching Fabric (Back-Plane): 14Gbps	Power Connection	1 removable 6-contact terminal block
Processing Type	Store and Forward	Overload Current Protection	Present (Slow-Blown Fuse)
Flow Control	IEEE 802.3x flow control, back pressure flow control	Reverse Polarity Protection	Present
Protocol	CSMA/CD	System Power Consumption	9W
Transfer Rate	14,880pps for Ethernet	PoE Power Budget	60W@12VDC 120W@36-55VDC
	148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet	Relay Contact	24VDC, 1A resistive
MAC Table Size	8K	Environmental Limits	
Jumbo Frame	9.6Kbytes	Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 75°C
Memory Buffer	4Mbits	Storage Temperature	-40°C ~ 85°C
Port Interface		Ambient Relative Humidity	5 to 95%, (non-condensing)
Ethernet Port	5*10/100/1000BaseTx with 4*PoE+ (PSE: 30W/Port)	Regulatory Approvals	
	Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	EMI	FCC Part 15 Subpart B Class A, CE EN55022/EN61000-6-4 Class A
SFP Port	2*100/1000 SFP Slots	EMS	CE EN55024/EN61000-6-2: EN61000-4-2,3,4,5,6,8
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)	Free Fall	IEC60068-2-32
LED Indicators	System: Power 1, Power 2, Fault	Shock	IEC60068-2-27
	Ethernet ports: Speed/Link/Active SFP: Link/Active	Vibration	IEC60068-2-6
Network Cable	PoE: On-connected to PD devices	Green	RoHS Compliant
	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable	Certifications	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
	EIA/TIA-568 100-ohm (100m)	Warranty	5 Years
	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)		

ORDERING INFO

LNP-0702G-SFP-24	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; 12~55VDC Power Input
LNP-0702G-SFP-24-T	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; 12~55VDC Power Input; EOT: -40°C to 75°C