

LNP-1002G-10G-SFP

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



Features

- ▶ Supports 8*10/100/1000Tx Ethernet Ports (w/8*PSE: 30W/Port) and 2*10G SFP+ Fiber Slots
- ▶ IEEE 802.3at PoE+ Compliant (support 802.3af PoE)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 16K MAC Address Table
- ▶ 9,216 bytes 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: -40°C to 60°C
- ▶ 5-Year Warranty

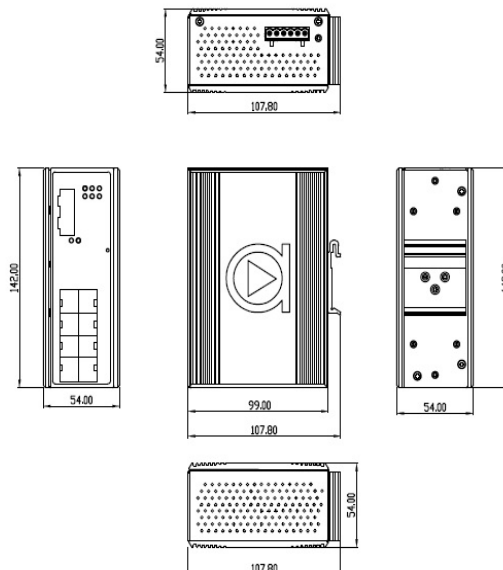
INTRODUCTION

Antaira Technologies new compact DIN-Rail industrial gigabit PoE+ unmanaged switch, the **LNP-1002G-10G-SFP**, features 8*10/100/1000Tx Ethernet ports that support IEEE 802.3at high power PoE (30W/Port), and two 10G SFP+ slots for long-distance fiber connections. The device is designed with high EFT and ESD protection and supports extreme operating temperature environments (-40° to 60°C).

The LNP-1002G-10G-SFP provides extensive connectivity solutions for the continuously growing demand for bandwidth to support applications under a variety of outdoor or harsh environments, such as security surveillance, traffic monitoring, and campus or sport venue-wide network infrastructure.

DIMENSIONS

Dimensions (unit = mm)



SPECIFICATIONS

Technology		Mechanical Characteristics		
Standards	IEEE 802.3 10BaseTx Ethernet	Housing	Metal, IP30 protection	
	IEEE 802.3u 100BaseTx Fast Ethernet	Dimensions	54 x 99 x 142 mm (W*D*H)	
	IEEE 802.3ab 1000BaseTx	Weight	Unit 3.0lbs.: Shipping Weight 3.5 lbs.	
	IEEE 802.3z 1000Base-X Gigabit Fiber	Mounting	DIN-Rail, wall mounting (optional)	
	IEEE 802.3ae 10 Gigabit Ethernet	Environmental Limits		
IEEE 802.3af/at Power Over Ethernet	Operating Temperature	-40°C to 60°C		
Processing Type	Store and Forward	Storage Temperature	-40°C ~ 85°C	
Protocol	CSMA/CD	Ambient Relative Humidity	5 to 95%, (non-condensing)	
Flow Control	IEEE 802.3x back pressure flow control	Regulatory Approvals		
Switch Properties		EMI	FCC Class A	
Switch Architecture	Back-Plane (Switching Fabric): Non-Blocking	EMS	IEC61000-4-2,3,4,5,6,8	
Transfer Rate	14,880pps for Ethernet Port	Free Fall	IEC60068-2-32	
	148,800pps for Fast Ethernet Port	Shock	IEC60068-2-27	
	1,488,000pps for Gigabit Ethernet Port	Vibration	IEC60068-2-6	
	14,880,000pps for 10 Gigabit Ethernet Port	Green	RoHS Compliant	
Memory Buffer	12 Mbytes	Certifications	FCC, CE	
Jumbo Frame	9216 bytes	Warranty	5 Years	
MAC Table Size	16K			
Interface				
Ethernet Port	8*RJ45 Ports w/10/100/1000Tx (PSE: 30W/Port)			
Fiber Port	2* 10GbE 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	16 Watts for system			
Max. PoE Power Budget	240 Watts			
PoE Power Output	30 Watts max per PoE port			
Relay Contact	24VDC, 1A resistive			

ORDERING INFO

LNP-1002G-10G-SFP 10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx (PSE: 30W/Port) and 2*10G SFP+ Slots

Optional Accessories

DR-120-48	120W Industrial DIN Rail Power Supply, 48VDC
SDR-120-48	120W Industrial Single Output DIN Rail Power Supply, 48VDC
SDR-240-48	240W Industrial Single Output DIN Rail Power Supply with PFC Function, 48VDC
SDR-480-48	480W Industrial Single Output DIN Rail Power Supply, 48VDC

Assured Systems

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