

LNP-1002G-SFP-T-CC

10-Port Industrial PoE+ Gigabit Unmanaged Switch, with 8*10/100/1000Tx (30W/Port) and 2*100/1000 SFP Slots, EOT: -40° to 75°C, with Conformal Coating



Features

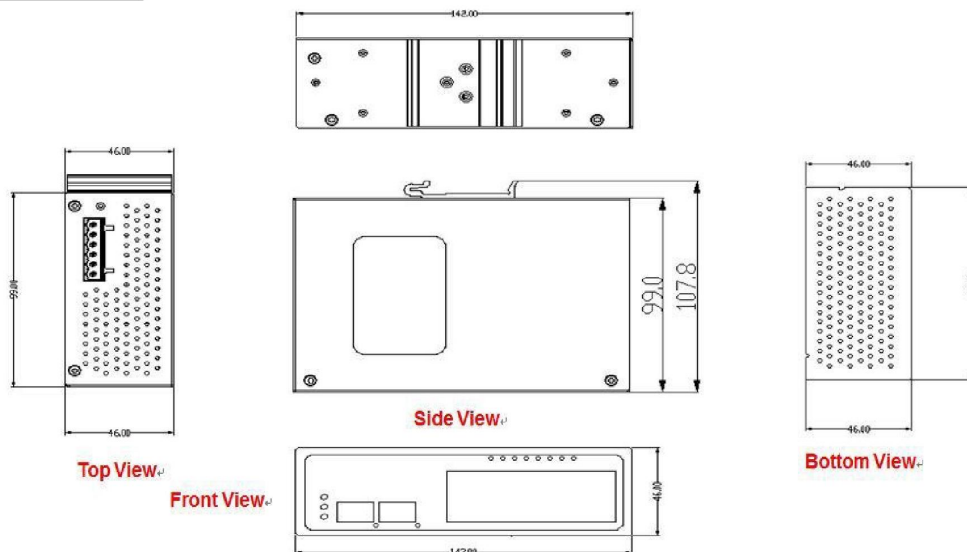
- ▶ Conformal Coating
- ▶ Supports 8-Port 10/100/1000Tx IEEE 802.3at PoE+ Compliant with 30W per Port and 2-Port 100/1000 SFP
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 10Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Surge Protection: 2,000 VDC
- ▶ ESD Protection: 6,000 VDC
- ▶ 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: EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-1002G-SFP-T-CC industrial PoE/PoE+ gigabit unmanaged Ethernet switch features 8*10/100/1000Tx ports, which support IEEE 802.3at high power PoE (30W/Port), and two dual rate 100/1000Fx SFP slots. This product series provides high EFT and ESD protection to protect against unregulated voltage. It also provides extended operation temperature of -40° to 75°C. The LNP-1002G-SFP-T-CC is an ideal solution for harsh environments and industrial applications.

Conformal coating is a specialty film which conforms to the contours of the printed circuit board to protect the board from adverse environmental conditions. Antaira's conformal coating process meets or exceed the standards for protection against gases, dust, and water.

DIMENSIONS



SPECIFICATIONS

Technology		Mechanical Characteristics	
Standards	IEEE 802.3 10BaseTx Ethernet	Housing	Metal, IP30 protection
	IEEE 802.3u 100BaseTx Fast Ethernet	Dimensions	46 x 99 x 142mm
	IEEE 802.3ab 1000BaseTx	Weight	Unit: 1.5 lbs Shipping: 2.0 lbs
	IEEE 802.3z Gigabit Fiber	Mounting	DIN-Rail, Wall-mount (optional)
	IEEE 802.3at PoE+	Environmental Limits	
Processing Type	Store and Forward	Operating Temperature	EOT: -40° to 75°C
Protocol	CSMA/CD	Storage Temperature	-40°~85°C
Flow Control	IEEE 802.3x back pressure flow control	Ambient Relative Humidity	5 to 95%, (Non-condensing)
Switch Properties		Regulatory Approvals	
Switch Architecture	Back-Plane (Switching Fabric): 10Gbps 14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	EMI	FCC Class A
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	EMS	EN61000-4-2,3,4,5,6,8,11,12 EN61000-6-2,4
Jumbo Frame	9.6Kbytes	Free Fall	IEC60068-2-32
MAC Table Size	8K	Shock	IEC60068-2-27
Interface		Vibration	IEC60068-2-6
Ethernet Port	8*RJ45 Ports w/10/100/1000Tx (PSE: 30W/Port)	Green	RoHS Compliant
Fiber Port	2*100/1000 SFP Slots	Certifications	
PoE Pin Out	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI Alternative A	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01	
Network Cable	10Base Tx: 2-pair UTP/STP Cat. 3,4,5	IEC 60068-2-11, IEC 60068-2-52, IEC 60068-2-60	
	100Base Tx: 2-pair UTP/STP Cat. 5	IPC-CC-830B, MIL-I-46058C, IEC 61086-2 (Class 2), UL 94, UL 746E	
	1000Base Tx: 2-pair UTP/STP Cat. 5/5E	ISO 9223 (Class C5-Very High, Class GX-Severe)	
Power Requirement		Corrosion Prevention	ANSI/ISA 71.04 (Class GX-Severe)
Input Voltage	48~55VDC, Redundant Input	Warranty	5 Years
Power Connection	1 removable 6-contact terminal block		
Reverse Polarity Protection	Present		
Overload Current Protection	Present		
Power Consumption	210 Watts @ 48V		
	250 Watts @ 51-55V (Full Load w/ PoE)		

ORDERING INFO

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Optional Accessories	
MDR-100-48	100W Industrial Single Output Miniature DIN-Rail Power Supply, 48VDC
DR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC
SDR-120-48	120W Industrial Single Output Miniature DIN-Rail Power Supply, 48VDC
SDR-240-48	240W Industrial Slim & High Efficiency DIN-Rail Power Supply with PFC Function, 48VDC

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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