

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

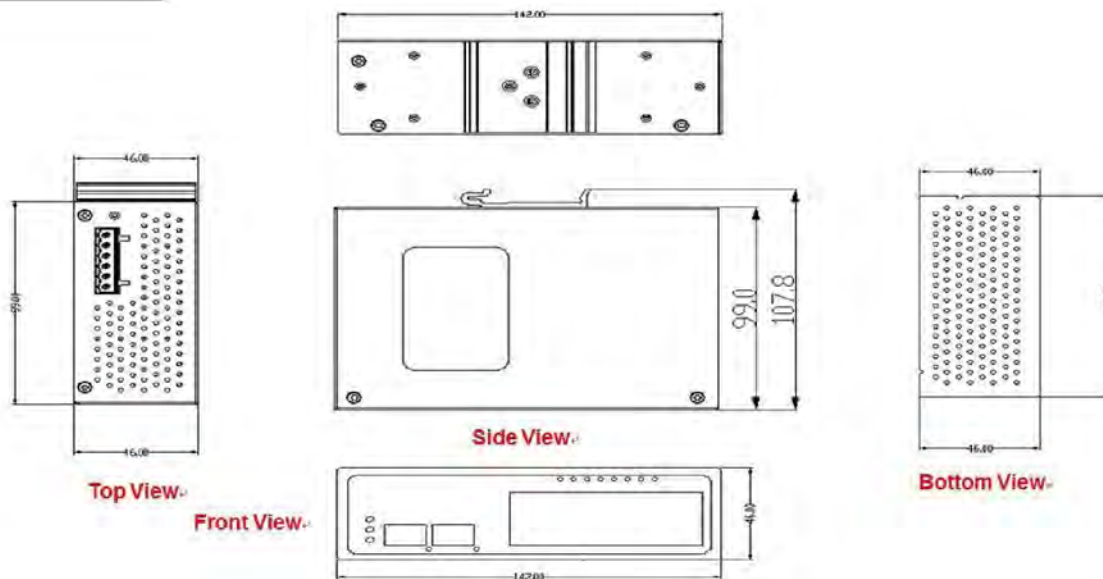
- ▶ Conformal Coating
- ▶ Supports 8-Port 10/100/1000Tx IEEE 802.3at PoE+ Compliant with 30W per Port and 2-Port 100/1000 SFP
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 10Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ 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 exceeds the standards for protection against gases, dust, and water.

DIMENSIONS



SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet
	IEEE 802.3u 100BaseTx Fast Ethernet
	IEEE 802.3ab 1000BaseTx
	IEEE 802.3z Gigabit Fiber
	IEEE 802.3at PoE+
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 10Gbps 14,880pps for Ethernet Port
Transfer Rate	148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
Interface	
Ethernet Port	8*RJ45 Ports w/10/100/1000Tx (PSE: 30W/Port)
Fiber Port	2*100/1000 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 Requirement	
Input Voltage	48~55VDC, Redundant Input
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)

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	46 x 99 x 142mm
Weight	Unit: 1.5 lbs Shipping: 2.0 lbs
Mounting	DIN-Rail, Wall-mount (optional)
Environmental Limits	
Operating Temperature	EOT: -40° to 75°C
Storage Temperature	-40°~85°C
Ambient Relative Humidity	5 to 95%, (Non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN61000-4-2,3,4,5,6,8,11,12 EN61000-6-2,4
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 IEC 60068-2-11, IEC 60068-2-52, IEC 60068-2-60 IPC-CC-830B, MIL-I-46058C, IEC 61086-2 (Class 2), UL 94, UL 746E ISO 9223 (Class C5-Very High, Class GX-Severe) ANSI/ISA 71.04 (Class GX-Severe)
Corrosion Prevention	
Warranty	5 Years

ORDERING INFO

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

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