LNP-0802C-SFP Series

antaira®

8-Port Industrial PoE+ Gigabit Unmanaged Switch, with 6*10/100Tx (30W per Port), 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slots)
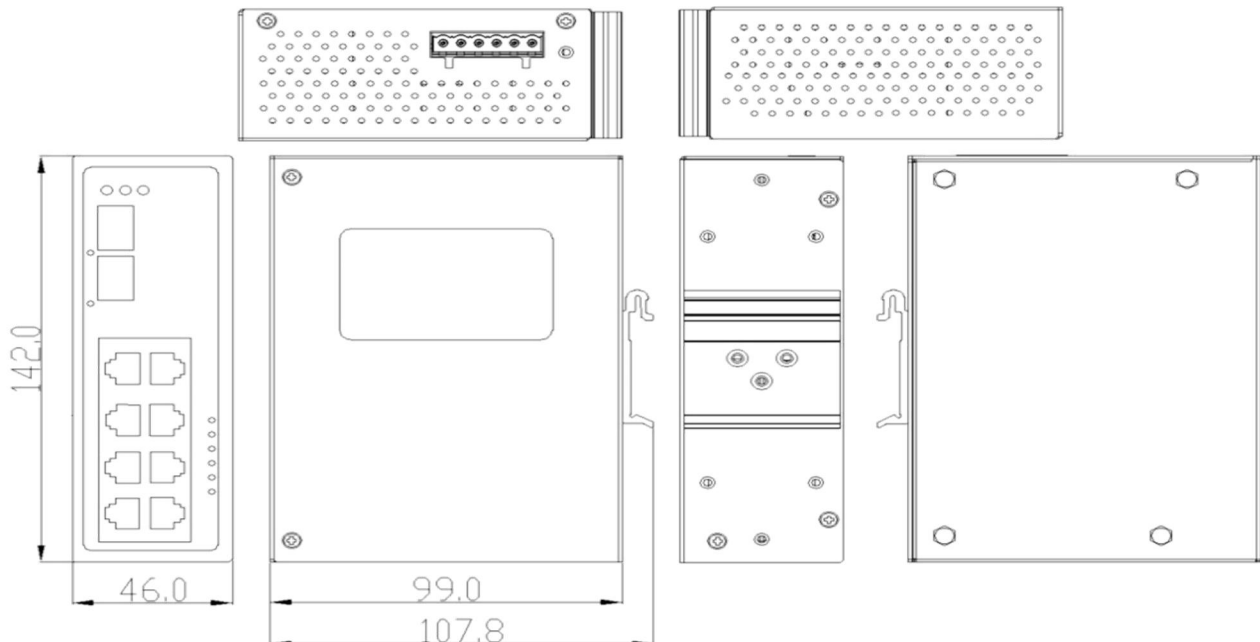
Features

► **Supports 6-Port 10/100Tx IEEE 802.3at PoE+ Compliant with 30W per Port, 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots)**
► **Supports Auto MDI/MDI-X Function**
► **Store-and-Forward Switching Architecture**
► **8K MAC Address Table**
► **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 - STD: -10° to 70°C, EOT: -40° to 75°C**
► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-0802C-SFP series industrial PoE+ Gigabit unmanaged Ethernet switch series is IP30 rated and DIN-Rail mountable. It comes with 6*10/100Tx which support IEEE802.3at with high power PoE up to 30W/port, and 2*GigE combo ports (2*10/100/1000Tx RJ45, and 2*100/100 SFP slots for fiber), making it ideal for applications that demand a high bandwidth and long distance communication.

It provides a high EFT and ESD protection and dual power input with a reverse power polarity protection. In addition, the built-in relay warning function alerts maintainers when power failures occur. There is a wide operating temperature model that supports from -40 to 75°C. It is a perfectly designed product to fulfill special needs for industrial automation, outdoor and harsh weather environment applications.

DIMENSIONS

142.0

46.0

99.0

107.8

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

Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Jumbo Frame	-
MAC Table Size	8K

Interface

Ethernet Port	6*RJ45 Ports w/10/100Tx (PSE 30W/Port)
Gigabit Combo Port Copper/SFP	2 *RJ45 Ports w/10/100/1000TX Ethernet and 2*100/1000 SFP Slot for Fiber
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
Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Yes
Power Consumption	160 Watts @ 48V 190 Watts @ 51-55V (Full Load w/ PoE)

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions	46 x 99 x 142 mm (W*D*H)
Weight	Unit 1.5lbs. Shipping Weight 2.0 lbs.
Mounting	DIN-Rail, wall mounting (optional)

Environmental Limits

Operating Temperature	STD: -10° to 70° C EOT: -40° to 75° C
Storage Temperature	-40°C ~ 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 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
Warranty	5 Years

ORDERING INFO

LNP-0802C-SFP	8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port), and 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots)
LNP-0802C-SFP-T	8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port), and 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45, and 2*100/1000 SFP Slots); EOT: -40 to 75C

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

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