LNP-C500G Series

Compact 5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/4*10/100/1000Tx (PSE: 30W/Port) + 1*10/100/1000Tx

Features

▶ Compact Industrial Grade Design
▶ Supports 4*10/100/1000Tx Gigabit Ethernet Ports (PSE: 30W/Port) and 1*10/100/1000Tx Port
▶ Supports Auto MDI/MDI-X Function
▶ Jumbo Frame Support: 10k
▶ Surge Protection: 2,000 VDC Support
▶ ESD Protection: 6,000 VDC Support
▶ Provide Max. 120W Full PoE Power Budget
▶ Redundant Power Input Design: 48~55VDC
▶ Power Polarity Reverse Protection
▶ Overload Current Protection
▶ 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
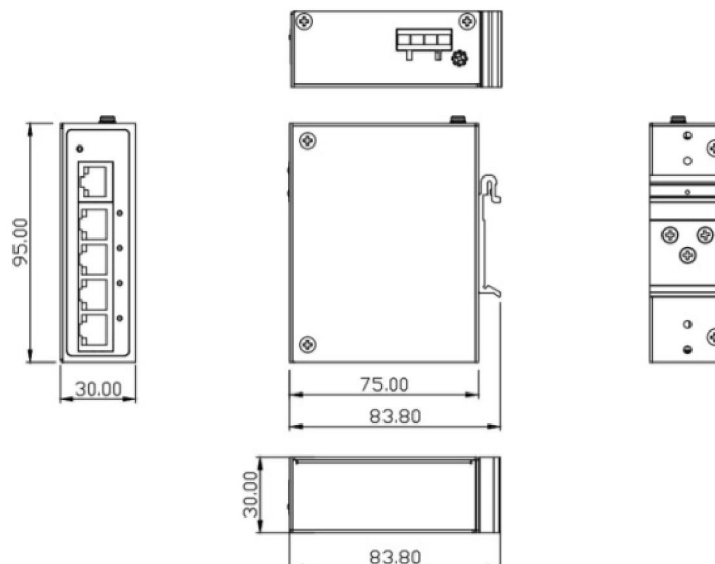▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-C500G series is a compact 5-port industrial gigabit PoE+ unmanaged Ethernet switch. The small form factor of this metal IP30 rated design is 50% smaller which allows for a more versatile implementation. The LNP-C500G series is equipped with 4*10/100/1000Tx Ethernet ports that support IEEE 802.3af/at for a maximum of 30W/port and 1*10/100/1000Tx Ethernet port. The LNP-C500G series can handle high bandwidth applications in tight spaces.

The LNP-C500G series supports high EFT & ESD protection through the redundant power inputs that support reverse polarity and overload current protection. This product series supports DIN-rail as well as wall mountable orientations and provides operating temperature range models in STD: -10°C to 70°C and EOT: -40°C to 75°C. This is an industrial grade unit applicable for networking applications in factory automation, ITS, power/utility, water wastewater treatment plants, or any application that needs a compact solution.

DIMENSIONS

95.00
30.00
75.00
83.80
30.00
83.80

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3U 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3af/at Power over Ethernet

Switch Properties

Protocol	CSMA/CD
Data Process	Store and Forward
Transfer Rate	14,880pps for 10Base-T Ethernet port 148,800pps for 100Base-T Fast Ethernet port 1,488,000pps for 1000Base-T Gigabit Ethernet
Memory Buffer	1 Mbit
MAC Table Size	8K
Jumbo Frame	10K bytes
Flow Control	IEEE 802.3x flow control, back pressure flow control

Port Interface

Ethernet RJ45 Port	5*10/100/1000BaseTx with 4*PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection

Protection

Overload Current Protection	Present
Reverse Polarity Protection	Present
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable. 1000Base-Tx 4-pair UTP/STP Cat. 5/5e/6 cable

Mechanical Characteristics

LED Indicator	Power Ethernet Ports: On – Link / Flash - data transmitting PoE: On – connected to PD devices
Housing	Metal, IP30 rated
Dimensions	30 x 95 x 75 mm (W*H*D)
Weight	Unit: 0.77 lb; Shipping: 0.99 lb
Mounting	DIN-Rail; Wall-mount (optional)

Power Requirement

Input Voltage	48~55VDC, Redundant Input
Power Connection	1 removable 4-contact terminal block
Power Consumption	5.5 Watts for system
Max. PoE Power Budget	120Watts

Environmental Limits

Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class, CE EN 55022 Class A
EMS	EN 61000-6-2, EN 61000-6-4
Free Fall	IEC 60068-2-32
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL-61010-1, 61010-2-201
Warranty	5 Years

ORDERING INFO

LNP-C500G	Compact 5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/4*10/100/1000Tx (PSE: 30W/Port) + 1*10/100/1000Tx
LNP-C500G-T	Compact 5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/4*10/100/1000Tx (PSE: 30W/Port) + 1*10/100/1000Tx; EOT: -40°C to 75°C
Optional Accessories	
DR-75-48	75 Watt Series / 48 VDC / 1.6 Amps Industrial Single Output DIN Rail Power Supply
DR-120-48	120 Watt Series / 48 VDC / 2.5 Amps Industrial Single Output DIN Rail Power Supply
SDR-120-48	120 Watt Series / 48 VDC / 2.5 Amps Industrial Slim High-Efficiency Single Output DIN Rail Power Supply
SDR-240-48	240 Watt Series / 48 VDC / 5.0 Amps Industrial Slim High-Efficiency Single Output DIN Rail Power Supply
SDR-480-48	480 Watt Series / 48 VDC / 10.0 Amps Industrial Slim High-Efficiency Single Output DIN Rail Power Supply