

# 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

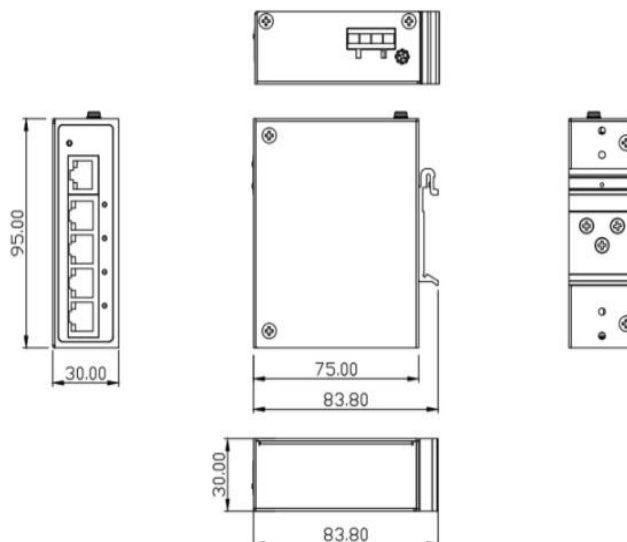
- ▶ Compact Industrial Grade Design
- ▶ Supports 4\*10/100/1000Tx Gigabit Ethernet Ports (PSE: 30W/Port) and 1\*10/100/1000Tx Port
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Jumbo Frame Support: 10k
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Provide Max. 120W Full 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



## SPECIFICATIONS

Technology		Mechanical Characteristics	
<b>Standards</b>	IEEE 802.3 10Tx Ethernet IEEE 802.3U 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3af/at Power over Ethernet	<b>LED Indicator</b>	Power Ethernet Ports: On – Link / Flash - data transmitting PoE: On – connected to PD devices
Switch Properties		<b>Housing</b>	Metal, IP30 rated
<b>Protocol</b>	CSMA/CD	<b>Dimensions</b>	30 x 95 x 75 mm (W*H*D)
<b>Data Process</b>	Store and Forward	<b>Weight</b>	Unit: 0.77 lb; Shipping: 0.99 lb
<b>Transfer Rate</b>	14,880pps for 10Base-T Ethernet port 148,800pps for 100Base-T Fast Ethernet port 1,488,000pps for 1000Base-T Gigabit Ethernet	<b>Mounting</b>	DIN-Rail; Wall-mount (optional)
<b>Memory Buffer</b>	1 Mbit	Power Requirement	
<b>MAC Table Size</b>	8K	<b>Input Voltage</b>	48~55VDC, Redundant Input
<b>Jumbo Frame</b>	10K bytes	<b>Power Connection</b>	1 removable 4-contact terminal block
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control	<b>Power Consumption</b>	5.5 Watts for system
Port Interface		<b>Max. PoE Power Budget</b>	120Watts
<b>Ethernet RJ45 Port</b>	5*10/100/1000BaseTx with 4*PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Environmental Limits	
<b>PoE Pin Assignment</b>	RJ-45 port #1~#4 support IEEE 802.3af End-point, Alternative A mode. Positive (VCC+): RJ-45 pin 1, 2. Negative (VCC-): RJ-45 pin 3, 6. Data (1, 2, 3, 6)	<b>Operating Temperature</b>	STD: -10°C to 70°C EOT: -40°C to 75°C
Protection		<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Overload Current Protection</b>	Present	<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Reverse Polarity Protection</b>	Present	Regulatory Approvals	
<b>Network Cable</b>	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	<b>EMI</b>	FCC Part 15 Subpart B Class, CE EN 55022 Class A
		<b>EMS</b>	EN 61000-6-2, EN 61000-6-4
		<b>Free Fall</b>	IEC 60068-2-32
		<b>Shock</b>	IEC 60068-2-27
		<b>Vibration</b>	IEC 60068-2-6
		<b>Green</b>	RoHS Compliant
		<b>Certifications</b>	FCC, CE, UL-61010-1, 61010-2-201
		<b>Warranty</b>	5 Years

## ORDERING INFO

<b>LNP-C500G</b>	Compact 5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/4*10/100/1000Tx (PSE: 30W/Port) + 1*10/100/1000Tx
<b>LNP-C500G-T</b>	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

<b>DR-75-48</b>	75 Watt Series / 48 VDC / 1.6 Amps Industrial Single Output DIN Rail Power Supply
<b>DR-120-48</b>	120 Watt Series / 48 VDC / 2.5 Amps Industrial Single Output DIN Rail Power Supply
<b>SDR-120-48</b>	120 Watt Series / 48 VDC / 2.5 Amps Industrial Slim High-Efficiency Single Output DIN Rail Power Supply
<b>SDR-240-48</b>	240 Watt Series / 48 VDC / 5.0 Amps Industrial Slim High-Efficiency Single Output DIN Rail Power Supply
<b>SDR-480-48</b>	480 Watt Series / 48 VDC / 10.0 Amps Industrial Slim High-Efficiency Single Output DIN Rail Power Supply

## Assured Systems

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