

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

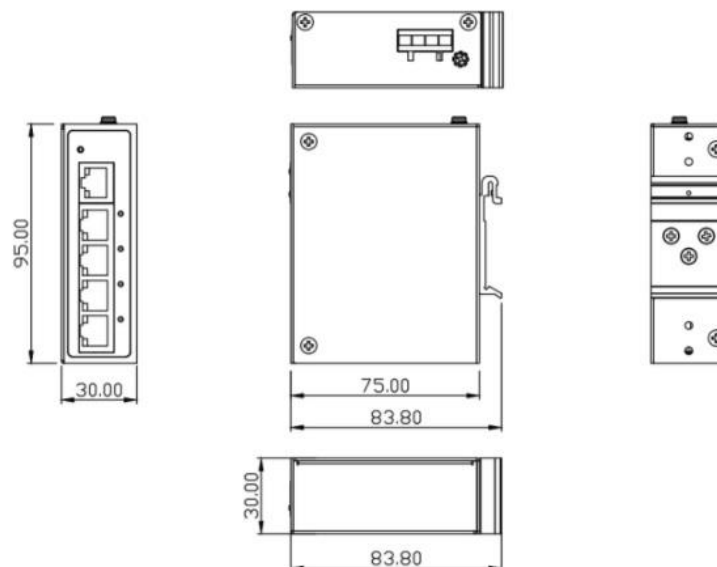
- ▶ Compact Industrial Grade Design
- ▶ Supports 4*10/100/1000Tx Gigabit Ethernet Ports (PSE: 30W/Port) and 1*10/100/1000Tx Port
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Jumbo Frame Support: 10k
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Provide Max. 120W Full PoE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

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