

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

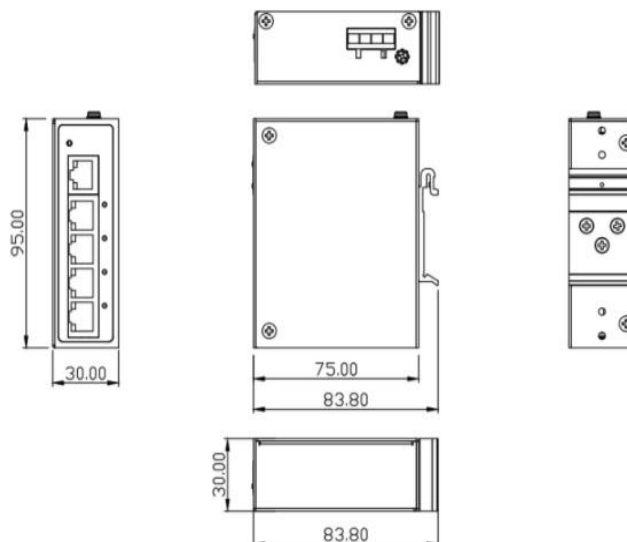
- ▶ Compact Industrial Grade Design
- ▶ Supports 4*10/100/1000Tx Gigabit Ethernet Ports (PSE: 30W/Port) and 1*10/100/1000Tx Port
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Jumbo Frame Support: 10k
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Provide Max. 120W Full PoE 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		Housing	
Protocol	CSMA/CD	Dimensions	Metal, IP30 rated
Data Process	Store and Forward	Weight	30 x 95 x 75 mm (W*H*D)
Transfer Rate	14,880pps for 10Base-T Ethernet port	Mounting	Unit: 0.77 lb; Shipping: 0.99 lb
	148,800pps for 100Base-T Fast Ethernet port		DIN-Rail; Wall-mount (optional)
	1,488,000pps for 1000Base-T Gigabit Ethernet	Power Requirement	
Memory Buffer	1 Mbit	Input Voltage	48~55VDC, Redundant Input
MAC Table Size	8K	Power Connection	1 removable 4-contact terminal block
Jumbo Frame	10K bytes	Power Consumption	5.5 Watts for system
Flow Control	IEEE 802.3x flow control, back pressure flow control	Max. PoE Power Budget	120Watts
Port Interface		Environmental Limits	
Ethernet RJ45 Port	5*10/100/1000BaseTx with 4*PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 75°C
	RJ-45 port #1~#4 support IEEE 802.3af End-point, Alternative A mode.	Storage Temperature	-40°C ~ 85°C
PoE Pin Assignment	Positive (VCC+): RJ-45 pin 1, 2.	Ambient Relative Humidity	5 to 95%, (non-condensing)
	Negative (VCC-): RJ-45 pin 3, 6. Data (1, 2, 3, 6)	Regulatory Approvals	
Protection		EMI	FCC Part 15 Subpart B Class, CE EN 55022 Class A
Overload Current Protection	Present	EMS	EN 61000-6-2, EN 61000-6-4
Reverse Polarity Protection	Present	Free Fall	IEC 60068-2-32
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable;	Shock	IEC 60068-2-27
	100Base-TX: 2-pair UTP/STP Cat. 5 cable.	Vibration	IEC 60068-2-6
	1000Base-Tx 4-pair UTP/STP Cat. 5/5e/6 cable	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

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