▶ 4-Port IEEE 802.3at Compliant PoE+ Function with

1-Port 100Fx SC/ST Type Connector (Multi-mode





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LNP-0501-24 Series

5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (PSE:30W/Port) + 1*100Fx, 12~36VDC Power Input (Built-in Voltage Booster)



INTRODUCTION

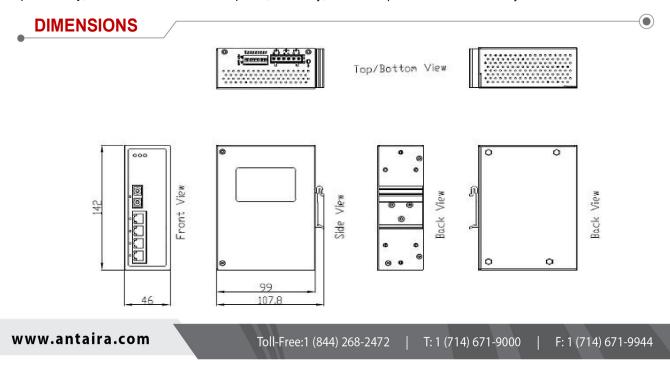
Antaira Technologies' LNP-0501-24 series is an industrial PoE+ unmanaged Ethernet switch featuring 4*10/100Tx Fast Ethernet RJ45 ports and 1*100Fx fiber port with SC or ST type connectors and an option for multi-mode (2Km) or single-mode (30Km). Each Ethernet port supports an IEEE 802.3at high power PoE+ output up to 30W per port, making it ideal for applications that demand a PoE power source. This product series provides a low voltage input range of 12~36VDC with an internal voltage booster to support a 48VDC PoE power output.

Features

30W/Port

2Km. Single-Mode 30Km)

The LNP-0501-24 series is IP30 rated and DIN-rail mountable. There are also two wide operating temperature models for either a standard temperature range (STD: -10°C to 70°C) or an extended temperature range (EOT: -40°C to 75°C). It also provides Ethernet connectivity with PoE functions and a fiber connection for mobile surveillance applications utilizing a low voltage power source as a battery, and for any other industrial automation field sites needing a 24VDC power source, such as, security surveillance, traffic monitoring systems, oil/gas and mining, facility management for power/utility, water wastewater treatment plants, and lastly, automated production lines in factory automation.







SPECIFICATIONS

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Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3at PoE+
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Jumbo Frame	-
MAC Table Size	2K
Interface	
Ethernet Port	4*RJ45 Ports w/10/100Tx (PSE: 30W/Port)
Fiber Port	1*100Fx (SC/ST); Multi-mode 2Km, Single-mode 30Km
Wavelength	1310nm
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
Mechanical Characteristics	
Housing	Metal, IP30 Protection
Dimensions	46 x 142 x 99 mm
Weight	Unit: 1.68 lbs; Shipping: 2.0 lbs
	DIN-Rail or Wall mounting

Input Voltage & Power Connection12~36VDC, 6-Pin Terminal Block Redundant InputReverse Polarity ProtectionPresentOverload Current ProtectionPresentPoE Power OutputMax. 30W per portPower Consumption145W @12~36VDCEnvironmental LimitsSTD: -10 to 70°C EOT: -40 to 75°COperating Temperature-40°C ~ 85°CAmbient Relative Humidity5 to 95%, (non-condensing)Regulatory ApprovalsIEC6100-4-2,3,4,5,6,8 IEC6100-6-2,4EMIFCC Class AEMSIEC60068-2-32ShockIEC60068-2-32ShockIEC60068-2-6GreenRoHS CompliantCertificationsUL Class 1 Division 2, ISA 12.12.01Warranty5 Years	Power Requirement	
Overload Current ProtectionPresentPoE Power OutputMax. 30W per portPower Consumption145W @12~36VDCEnvironmental LimitsSTD: -10 to 70°C EOT: -40 to 75°COperating Temperature-40°C ~ 85°CAmbient Relative Humidity5 to 95%, (non-condensing)Regulatory ApprovalsIEC6100-4-2,3,4,5,6,8 IEC6100-6-2,4EMSIEC60068-2-32ShockIEC60068-2-32ShockIEC60068-2-27VibrationIEC60068-2-66GreenRoHS CompliantFCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01		
PoE Power Output Max. 30W per port Power Consumption 145W @12~36VDC 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 Free Fall IEC6100-4-2,3,4,5,6,8 IEC6100-6-2,4 Free Fall IEC60068-2-32 Shock IEC60068-2-27 Vibration IEC60068-2-66 Green RoHS Compliant FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01	Reverse Polarity Protection	Present
Power Consumption 145W @12~36VDC 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 IEC6100-4-2,3,4,5,6,8 IEC6100-6-2,4 Free Fall IEC60068-2-32 Shock IEC60068-2-27 Vibration IEC60068-2-66 Green RoHS Compliant FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01	Overload Current Protection	Present
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Operating Temperature EOT: -40 to 75°C Storage Temperature -40°C ~ 85°C Ambient Relative Humidity 5 to 95%, (non-condensing) Regulatory Approvals EMI EMI FCC Class A EMS IEC6100-4-2,3,4,5,6,8 IEC6100-6-2,4 Free Fall IEC60068-2-32 Shock IEC60068-2-27 Vibration IEC60068-2-6 Green RoHS Compliant FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01	Environmental Limits	
Ambient Relative Humidity 5 to 95%, (non-condensing) Regulatory Approvals FCC Class A EMI FCC Class A EMS IEC6100-4-2,3,4,5,6,8 IEC6100-6-2,4 Free Fall IEC60068-2-32 Shock IEC60068-2-27 Vibration IEC60068-2-6 Green RoHS Compliant FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01 ISA 12.12.01	Operating Temperature	
Regulatory Approvals FCC Class A EMI FCC Class A EMS IEC6100-4-2,3,4,5,6,8 IEC6100-6-2,4 Free Fall IEC60068-2-32 Shock IEC60068-2-77 Vibration IEC60068-2-6 Green RoHS Compliant FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01 ISA 12.12.01	Storage Temperature	-40°C ~ 85°C
EMI FCC Class A EMS IEC6100-4-2,3,4,5,6,8 IEC6100-6-2,4 Free Fall IEC60068-2-32 Shock IEC60068-2-77 Vibration IEC60068-2-6 Green RoHS Compliant FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01 ISA 12.12.01	Ambient Relative Humidity	5 to 95%, (non-condensing)
EMS IEC6100-4-2,3,4,5,6,8 IEC6100-6-2,4 IEC60068-2-32 Shock IEC60068-2-32 Vibration IEC60068-2-6 Green RoHS Compliant FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01 ISA 12.12.01	Regulatory Approvals	
EMS IEC6100-6-2,4 Free Fall IEC60068-2-32 Shock IEC60068-2-27 Vibration IEC60068-2-6 Green RoHS Compliant FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01	EMI	FCC Class A
Shock IEC60068-2-27 Vibration IEC60068-2-6 Green RoHS Compliant FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01 ISA 12.12.01	EMS	
Vibration IEC60068-2-6 Green RoHS Compliant FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01 ISA 12.12.01	Free Fall	IEC60068-2-32
Green RoHS Compliant FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01	Shock	IEC60068-2-27
Certifications FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01	Vibration	IEC60068-2-6
Certifications UL Class 1 Division 2, ISA 12.12.01	Green	RoHS Compliant
Warranty 5 Years	Certifications	UL Class 1 Division 2,
	Warranty	5 Years

ORDERING INFO

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LNP-0501-M-24	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), SC Connector, 12~36VDC Input
LNP-0501-M-24-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), SC Connector, 12~36VDC Input; EOT: -40 to 75°C
LNP-0501-ST-M-24	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), ST Connector, 12~36VDC Input
LNP-0501-ST-M-24-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), ST Connector, 12~36VDC Input; ; EOT: -40 to 75°C
LNP-0501-S3-24	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), SC Connector, 12~36VDC Input
LNP-0501-S3-24-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), SC Connector, 12~36VDC Input; EOT: -40 to 75°C
LNP-0501-ST-S3-24	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), ST Connector, 12~36VDC Input
LNP-0501-ST-S3-24-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), ST Connector, 12~36VDC Input; EOT: -40 to 75°C
Optional Accessories	
DR-45-24	45W Industrial Din Rail Power Supply (24VDC)
DR-75-24	75W Industrial Din Rail Power Supply (24VDC)
SDR-120-24	120W Industrial Din Rail Power Supply (24VDC)
SDR-240-24	240W Industrial Din Rail Power Supply (24VDC)

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Assured Systems

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