

# 4N-YP1005P

5-Port 10/100/1000M Industrial PoE Ethernet Switch



## Product Overview

The 4N-YP1005P is a 10/100/1000M industrial PoE Ethernet switch developed by 4NSYS. It is designed to meet the requirements of industrial applications and long-term operation in harsh environments.

The device includes 4 × 10/100/1000M PoE ports (each port supports 15.4W and up to 30W maximum output) and 1 × 10/100/1000M uplink port, with all ports supporting full line-rate forwarding for stable and efficient data transmission.

The 4N-YP1005P industrial PoE Ethernet switch provides excellent adaptability for industrial environments, including mechanical durability, climate resistance, electromagnetic protection, and stable power performance. It features an IP40-rated protection design, dual redundant power input support, low power consumption, and fanless cooling technology.

This model is backed by a 3-year warranty and is suitable for various industrial applications such as intelligent transportation, railway systems, electrical power operations, mining, metallurgy, and green energy infrastructure, offering a cost-effective and reliable network communication solution.

## FEATURE

- Support " 10/ 100/ 1000M PoE port and uplink RJ45 port" combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- Support non-blocking wire-speed forwarding.
- Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.
- Surge Protection 6KV, air discharge 15KV; port lightning protection common-mode 4KV, differential mode 2KV
- Industrial dual power input. DC INPUT: 48V-57V
- CE, FCC Part 15 Class A , RoHS.

Model	4N-YP1005P	
Interface Characteristics		
Fixed Port	4*10/ 100/ 1000Base-TX PoE port 1*Gigabit Ethernet (1000Base-T) RJ45 uplink port	
Ethernet Port	10/ 100/ 1000Base-TX auto-sensing, full/half auto MDI/MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-T: Cat5e or later UTP(≤100 meter) 1000BASE-T : Cat5e or later UTP(≤100 meter)	
Chip Parameter		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3u 100Base-SX, IEEE802.3x IEEE802.3ab 1000Base-T ; IEEE802.3z 1000Base-X ;	
Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	10Gbps	
Buffer Memory	7.44Mpps	
MAC	8K	
LED Indicator	PowerIndicatorLight	P: 1 Green
	On the RPS seat	Yellow:Indicate PoE
		LNK/ACT : Indicates network working status 1000M
PoE characteristics		
power supply	DC: 52V Industrial Adapter	
PoE power supply method	Supports 1,2+, 3,6-power supply (IEEE 802.3af/at)	
PoE output power	Each port has a power supply of 15.4W and a maximum power of 30W per port	
Physical Parameter		
Operation TEMP /Humidity	-40~+75°C;5%~90% RH Non condensing	
Storage TEMP /Humidity	-40~+85°C;5%~95% RH Non condensing	
Dimension (L*W*H)	116mm* 86.5mm*32.5mm	
Installation	Desktop, DIN rail	

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