

4N-IGS1400P-SC20

Industrial PoE Fiber Media Converter Switch



Product Overview

The 4NSYS 4N-IGS1400P-SC20 combines the functionality of a Gigabit Fiber Media Converter and an Industrial PoE Ethernet Switch into a single compact device.

It converts long-distance optical fiber transmission into Gigabit Ethernet connectivity while simultaneously supplying PoE power to IP cameras, wireless access points, and industrial network devices.

This design reduces installation complexity, minimizes equipment requirements, and provides a reliable solution for surveillance, transportation, and industrial networking applications.

Designed in compliance with CE, FCC, and RoHS standards to ensure quality, safety, and reliability.

FIBER MEDIA CONVERTER + PoE SWITCH IN ONE

<p>INDUSTRIAL PoE FIBER SWITCH</p> <p>Converts fiber connectivity into Gigabit PoE network access.</p>	<p>FIBER MEDIA CONVERTER FUNCTION</p> <p>Fiber uplink and PoE distribution combined in one device.</p>	<p>4 x GIGABIT PoE PORTS</p> <p>4 Gigabit PoE ports for reliable power and data transmission.</p>	<p>1 x GIGABIT SC FIBER PORT</p> <p>Gigabit fiber uplink for reliable high-speed data transmission.</p>	<p>30W PoE PER PORT</p> <p>Supports IEEE 802.3af/at PoE with up to 30W output.</p>
<p>20km FIBER TRANSMISSION</p> <p>Supports long-distance fiber links up to 20km transmission range.</p>	<p>DUAL POWER INPUT</p> <p>Redundant power input design ensures stable operation.</p>	<p>IP40 INDUSTRIAL GRADE</p> <p>Industrial-grade protection against dust and harsh conditions.</p>	<p>-40°C to +75°C OPERATING TEMP.</p> <p>Reliable operation in extreme temperature environments.</p>	<p>DIN RAIL INSTALLATION</p> <p>Supports DIN rail mounting for easy installation.</p>

FEATURE

Gigabit Fiber-to-Ethernet Conversion

- Integrated Fiber Media Converter and PoE Switch in a single device.
- Converts Gigabit Fiber Optic signals to Gigabit Ethernet connectivity.
- Supports long-distance optical transmission up to 20km.
- Ideal for CCTV, Smart City, and Industrial Networking applications.

4-Port Gigabit PoE Connectivity

- 4 x 10/100/1000Mbps RJ45 PoE Ports.
- IEEE 802.3af/at compliant.
- Up to 30W PoE output per port.
- Simultaneous power and data transmission over a single Ethernet cable.

Gigabit Fiber Uplink

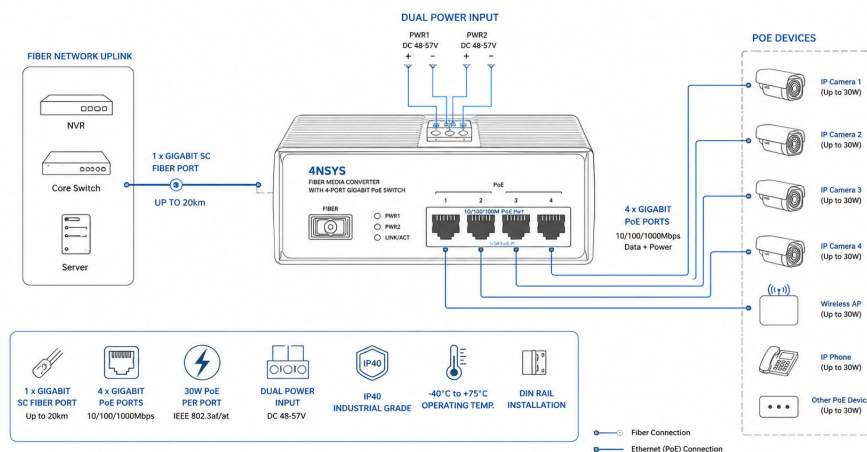
- 1 x Gigabit 1000Mbps SC Fiber Port (IEEE 802.3z 1000Base-LX)
- Single-Mode Dual Fiber Communication.
- High-speed Gigabit backbone connectivity.

Surge & ESD Protection

- 15kV Air Discharge Protection
- 8kV Contact Discharge Protection
- Industrial surge protection design

Wide Operating Temperature

- Operating Temperature: -40°C to +75°C
- Suitable for outdoor cabinets and industrial installations
- Stable operation under extreme environmental conditions



Model	4N-IGS1400P-SC20	
Interface Characteristics		
Fixed Port	4* 10/100/1000Base-TX PoE port 1* 1000Base-X uplink SC port	
Ethernet Port	10/ 100/ 1000Base-TX auto-sensing, full/half duplex 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)	
Optical Port	Default optical module is single-mode dual-fiber 20km, SC port	
Wavelength/Distance	single mode: 1310nm 0~40KM , 1550nm 0~120KM	
Chip Parameter		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3u 100Base-FX, 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
	Fiber Indicator Light	F: 1 Green (Link,SDFED)
	On the PoE seat	Yellow:Indicate PoE
		Green: Indicates network working status
Power		
Power supply	AC Input : 100~240VAC, 50/60Hz / DC Output : 12VDC, 1A	
PoE power supply method	Supports 1,2+, 3,6-power supply	
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%~95% 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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