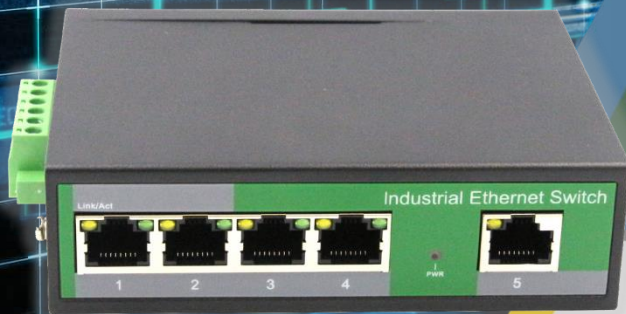


Unmanaged Industrial Switch

FNS100-05-AFB



Introduction

The FNS100-05-AFB series is a non-managed industrial Ethernet switch that complies with FCC, CE and RoHS standards. It supports 5 100Mbps Ethernet ports; supports Ethernet layer 2 protocols required for industrial field to ensure the stability of the communication network; this series of switches adopts low power consumption and fanless design to ensure no noise interference. It also supports -40~70°C operating temperature and good EMC electromagnetic compatibility to ensure stable operation in harsh industrial environments. It provides a safe and reliable solution for building fast and stable network terminal access networks in industrial application fields such as factory automation, intelligent transportation, and video surveillance.



Industrial-grade Design

- ▶ Metal casing, IP40 protection level
- ▶ Wide range operating temperature (-40°C~70°C)



Stability & Reliability

- ▶ Supports low power consumption, fanless silent design
- ▶ Metal housing, excellent heat dissipation, ensures stable operation of the product.



Standard & Convenience

- ▶ Supports plug and play, flexible networking
- ▶ Support DIN-Rail and wall mounting
- ▶ Support POE (Optional)

Unmanaged Industrial Switch FNS100-05-AFB



Production Specification

Standard	
Model	FNS100-05-AFB
Item	Content
Ethernet Standard	10Base-T, compliant with IEEE 802.3 100Base-TX and 100Base-FX, compliant with IEEE 802.3u IEEE802.3af, IEEE802.3at, etc.
	EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A EMC: IEC(EN)61000-4-2(ESD): ±6kV Contact discharge, ±8kV Air discharge IEC(EN)61000-4-3(RS) : 10V/m(80 ~ 1000MHz) IEC(EN)61000-4-4(EFT): ethernet port: ±2kV CM//±1kV DM. IEC(EN)61000-4-5(Surge): ethernet port: ±2kV CM//±1kV DM. IEC(EN)61000-4-6(Radio frequency conduction) : 3V(10kHz ~ 150kHz),10V(150kHz ~ 80MHz) IEC(EN)61000-4-16(Common mode conduction): 30V cont. 300V,1s IEC (EN)61000-4-8 Shock: IEC 60068-2-27 Freefall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Industry Standard	
Interfaces	
Item	Content
Ethernet Port	Number: 5 Type: RJ45, 10/100M automatic detection, full/half duplex MDI/MDI-X adaptive
Switching Characteristic	
Item	Content
Buffer Memory	1Mbit
Transmission Method	Store-and-forward
Backplane Bandwidth	1.6G
Switching Latency	<10µs
MAC Address	2K
Power	
Item	Content
Input Voltage	Non POE: DC12-52V POE: DC48-57V (Dual power redundancy backup)
Access Terminal	Phoenix terminal block
Characteristics	Support dual power supply redundancy Support built-in over-current protection Support reverse connection protection with 4.0 A

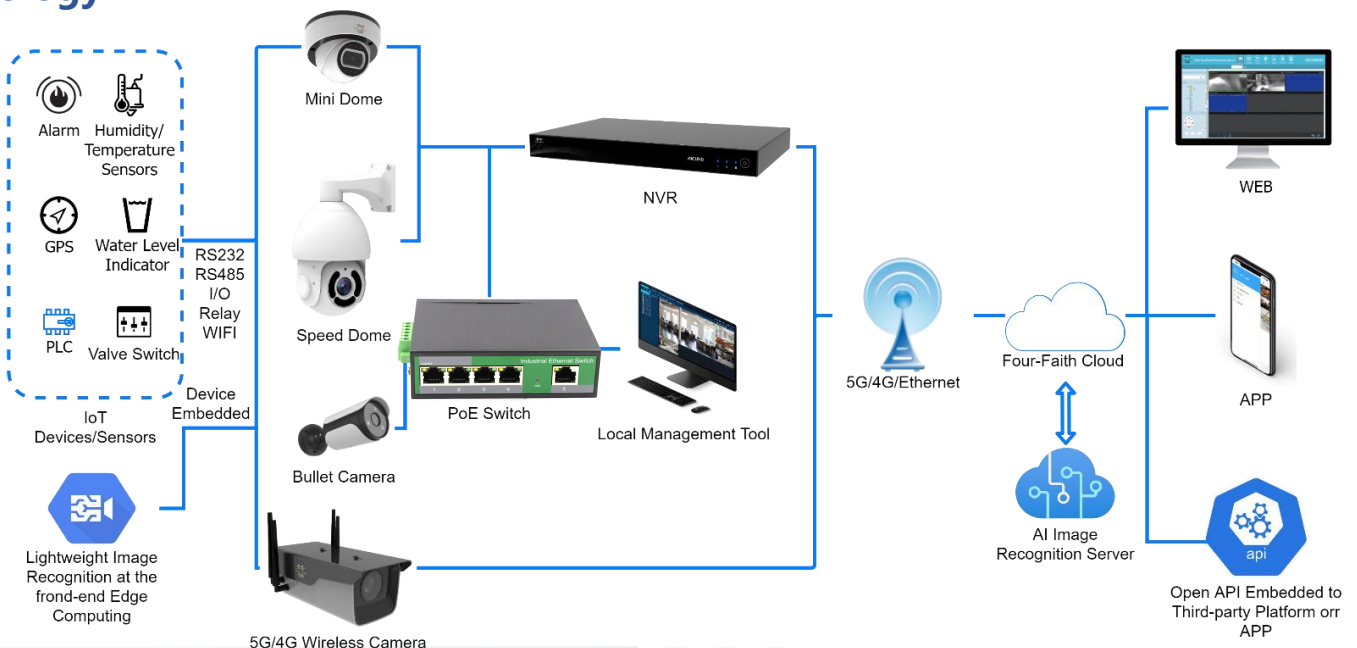
Unmanaged Industrial Switch FNS100-05-AFB



Operating Environment

Model	FNS100-05-AFB
Item	Content
Operating Temperature	-40 °C ~85°C
Storage Temperature	-40 °C ~70°C
Relative Humidity	5~95% (Non-condensing))
POE Standard (Optional)	
Item	Content
PoE Standard	IEEE802.3af/ IEEE802.3at
PoE Port	1-4 port support PoE
Output Power	Single port maximum power 15.4 W (IEEE 802.3 af) 30 W (IEEE 802.3 at)
Other	
Item	Content
Shell	IP40 protection level, metal casing
Characteristic	Support plug & play
Dimension	117.7×88.7×34mm
Weight	0.36Kg
Installation Method	DIN rail and wall mounted
Heat-dissipating Method	Natural cooling, no fan
LED	Power Indicator: PWR Port indicator: POE port (Link/ACT)
MTBF	300000 Hours

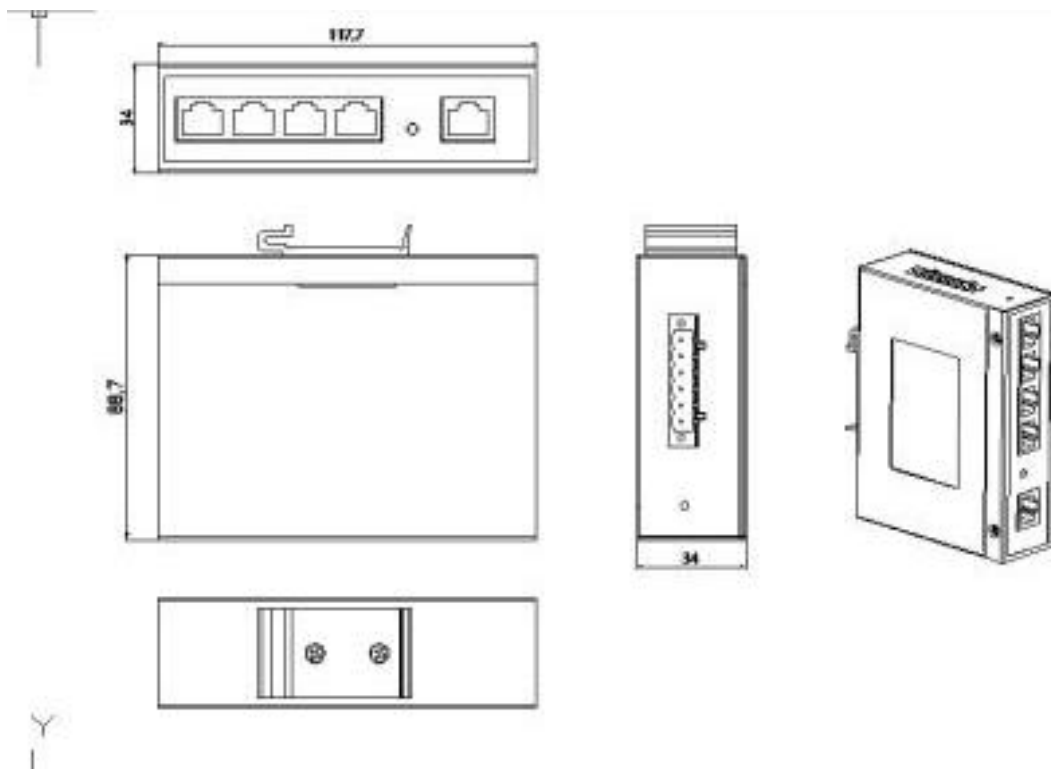
Topology



Unmanaged Industrial Switch FNS100-05-AFB



Dimension (mm): 117.7*88.7*34



Order Information

Model	Description
FNS100-05-AFB	Non-managed 100Mbps 5 ports, Din rail type, DC12-52V, wide temperature (-40°C-70°C) DC24V/1A power adapter
FNS100-05-AFB-4P	Non-managed POE 100Mbps 5 ports (4POE), Din rail type, DC48-57V, wide temperature (-40°C-70°C) DC52V/1.5A power adapter