

# Unmanaged Industrial Switch

## FNS100-05-AGB-4P-S



### Introduction

FNS100-05-AGB-4P-S is a network unmanaged industrial Ethernet PoE switch, complies with FCC, CE, RoHS standards. Support 5 Gigabit electrical ports(4 POE); this series of switches adopts low power consumption and fanless design to ensure no noise interference; At the same time, it supports  $-40\sim 75^{\circ}\text{C}$  working temperature and good EMC electromagnetic compatibility performance, ensuring stable work in harsh industrial environments, and building fast and stable network terminal interfaces for industrial applications such as factory automation, intelligent transportation, and video surveillance. Provide a safe and reliable solution for accessing the network.



Industrial-grade Design

- ▶ Metal casing, IP40 protection level
- ▶ Wide range operating temperature ( $-40^{\circ}\text{C}\sim 75^{\circ}\text{C}$ )



Stability & Reliability

- ▶ Support low power consumption, fanless and silent design, metal shell, excellent on heat dissipation, stable quality



Standard & Convenience

- ▶ Support plug and play, flexible networking
- ▶ Support DIN-Rail and wall mounting
- ▶ Support POE

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## Production Specification

Standard	
Model	FNS100-05-AGB-S
Item	Content
<b>Ethernet Standard</b>	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u;100Base-TX/FX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x, IEEE 802.3af,IEEE 802.3at;and,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.

### Industry Standard

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

Switching Characteristics	
Model	FNS100-05-AGB-S
Item	Content
<b>Buffer Memory</b>	1.2Mbit
<b>Transmission Method</b>	Store-and-forward
<b>Backplane Bandwidth</b>	14G
<b>Switching Latency</b>	<10µs
<b>MAC Address</b>	2K

Power	
Item	Content
<b>Input Voltage</b>	Non POE: DC12-52V POE: DC48-57V (Dual power redundancy backup)
<b>Access Terminal</b>	Phoenix terminal block

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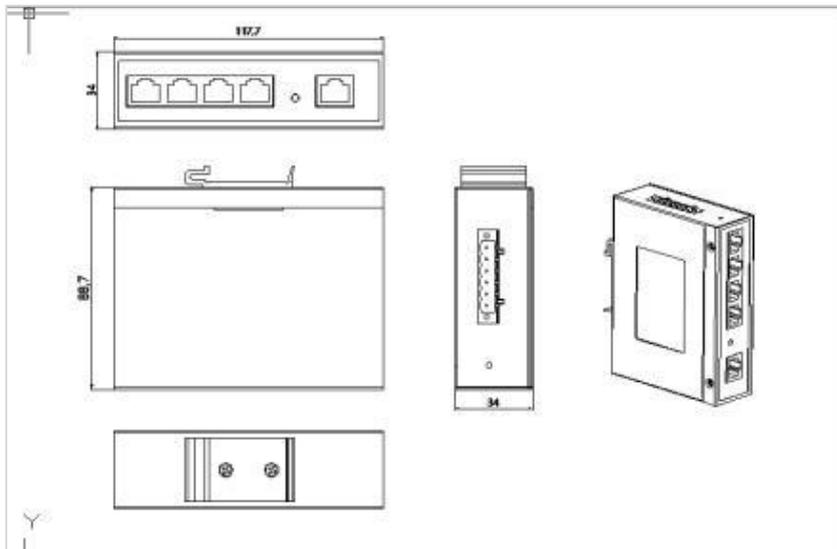
<b>Characteristics</b>	Support dual power supply redundancy Support built-in over-current protection Support reverse connection protection with 4.0 A
<b>Operating Environment</b>	
<b>Item</b>	<b>Content</b>
<b>Operating Temperature</b>	-40 °C ~75°C
<b>Storage Temperature</b>	-40 °C ~85°C
<b>Relative Humidity</b>	5~95% (Non-condensing))
<b>POE Standard (Optional)</b>	
<b>Item</b>	<b>Content</b>
<b>PoE Standard</b>	IEEE802.3af/ IEEE802.3at
<b>PoE Port</b>	1-4 port support PoE
<b>Output Power</b>	Single port maximum power 15.4 W (IEEE 802.3 af) 30 W (IEEE 802.3 at)
<b>Interfaces</b>	
<b>Item</b>	<b>Content</b>
<b>SFP Slot</b>	Number: Non
<b>Ethernet Port</b>	Number: 5 Type: RJ45, 10/100/1000M automatic detection, full/half duplex MDI/MDI-X adaptive
<b>Optical Fiber</b>	Non

<b>Other</b>	
<b>Model</b>	FNS100-05-AGB-S
<b>Item</b>	<b>Content</b>
<b>Shell</b>	IP40 protection level, metal casing
<b>Characteristic</b>	Support plug and play, flexible networking
<b>Dimension</b>	117.7×88.7×34mm
<b>Weight</b>	0.36Kg
<b>Installation Method</b>	DIN rail and wall mounted
<b>Heat-dissipating Method</b>	Natural cooling, no fan
<b>LED</b>	Power Indicator: PWR Port indicator: POE port, SFP port (Link/ACT)

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**Dimension (mm): 117.7×88.7×34mm**



## Order Information

Model	Description
FNS100-05-AGB-4P-S	Unmanaged gigabit 5-port (4 POE), rail-mounted, DC48~57V, wide temperature (-40°C to 75°C)