

# Unmanaged Industrial Switch

FNS100-28-AGB-SFP



## Introduction

The FNS100-28-AGB-SFP series is a non-managed industrial Ethernet switch. It supports 8 x 1000M Ethernet ports and 2 x 1000M SFP port. 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)

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## Production Specification

Standard	
Model	FNS100-28-AGB-SFP
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, 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.
<b>Industry Standard</b>	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
Interfaces	
Item	Content
<b>Ethernet Port</b>	Number: 8 Type: RJ45, 10/100/1000M automatic detection, full/half duplex MDI/MDI-X adaptive
<b>SFP Port</b>	Number: 2 Type: 1000BaseFX ports (SFP slots), optional SC, ST, FC interfaces
<b>Optical Fiber</b>	Supports single-mode/multi-mode fiber, multi-mode fiber: 550M; single-mode fiber: 20/40/60/80/100KM
Switching Characteristic	
Item	Content
<b>Buffer Memory</b>	2Mbit
<b>Transmission Method</b>	Store-and-forward
<b>Backplane Bandwidth</b>	20G
<b>Switching Latency</b>	<10µs
<b>MAC Address</b>	4K

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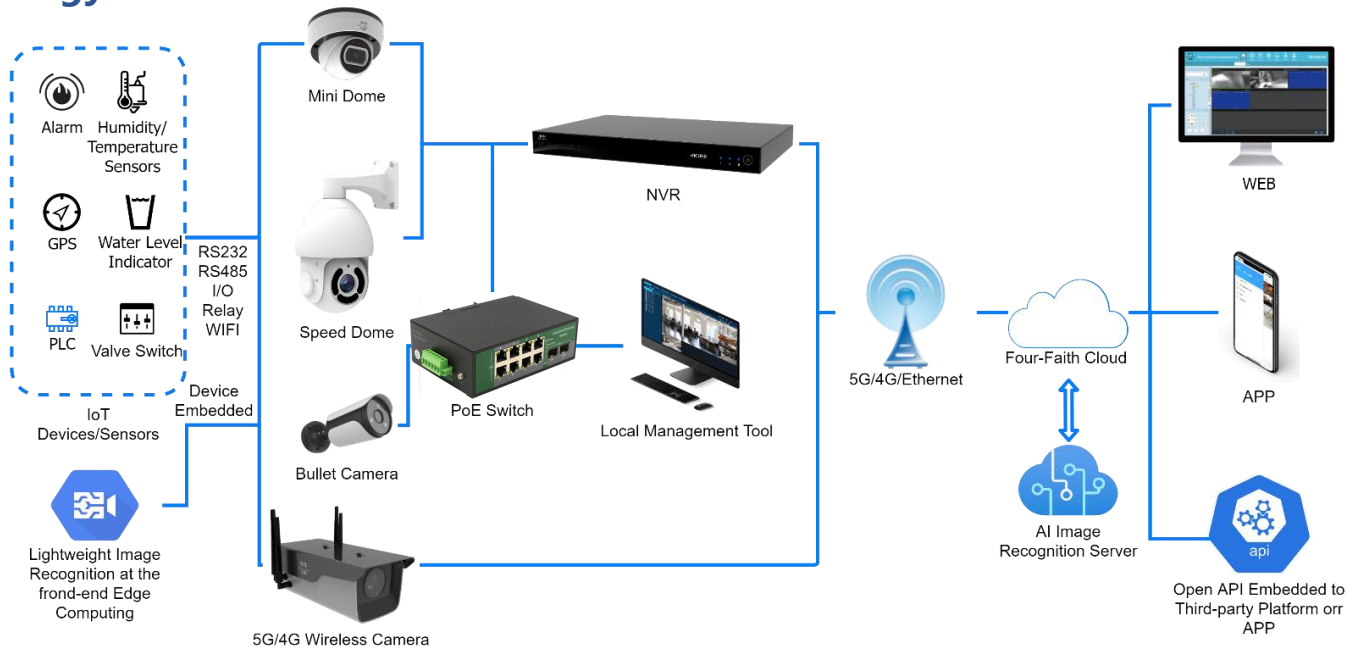


Operating Environment	
Model	FNS100-28-AGB-SFP
Item	Content
Operating Temperature	-40 °C ~85°C
Storage Temperature	-40 °C ~70°C
Relative Humidity	5~95% (Non-condensing))
Power	
Item	Content
Input Voltage	Non POE: DC12-52V POE: DC48-57V (Dual power redundancy backup)
Access Terminal	Phoenix terminal block
Characteristics	Support dual power supply redundancy Support built-in over-current protection Support reverse connection protection with 4.0 A
POE Standard (Optional)	
Item	Content
PoE Standard	IEEE802.3af/ IEEE802.3at
PoE Port	1-8 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	142.5×103.5×47.5mm
Weight	0.64Kg
Installation Method	DIN rail and wall mounting
Heat-dissipating Method	Natural cooling, no fan
LED	Power Indicator: PWR Port indicator: POE port, SFP port (Link/ACT)
MTBF	300000 Hours

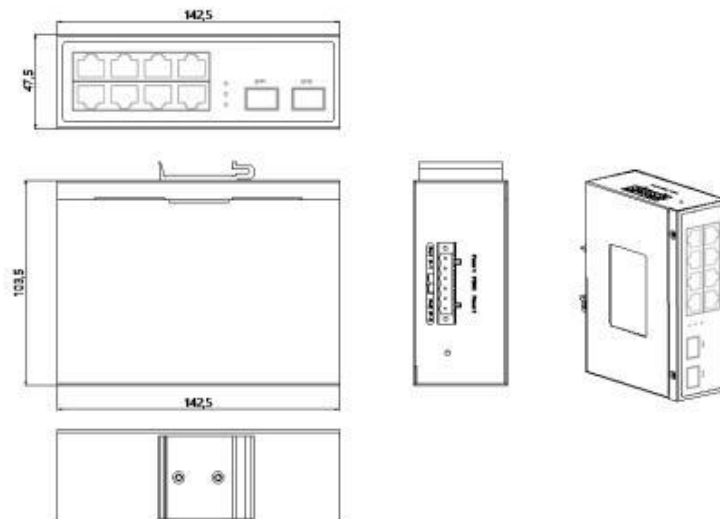
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## Topology



Dimension (mm): 142.5\*103.5\*47.5



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## Order Information

Model	Description
<b>FNS100-28-AGB-SFP</b>	2 x 1000M SFP port, 8 x 1000M ethernet ports, Din rail type, DC12-52V, wide temperature (-40°C-70°C) DC24V/1A power adapter
<b>FNS100-28-AGB-8P-SFP</b>	2 x 1000M SFP port, 8 x 1000M ports (POE), Din rail type, DC48-57V, wide temperature (-40°C-70°C) DC52V/2.3A power adapter