

Un-managed Industrial Switch

FNS100-016-AFB-A

Din-Rail

Terminal Block

Introduction

FNS100-016-AFB-A is a network unmanaged industrial Ethernet switch, complies with FCC, CE, RoHS standards. Support 16 100Mbps electrical ports; this series of switches adopts low power consumption and fanless design to ensure no noise interference; At the same time, it supports -40~75°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 (-40ºC~75ºC)

Stability & Reliability

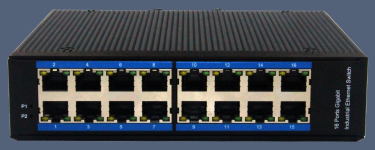
- Support low power consumption, fanless and silent design, metal shell, excellent on heat dissipation, stable quality

Standard & Convenience

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

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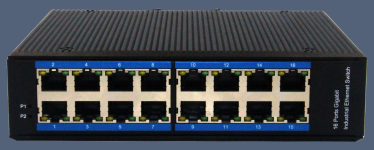
Production Specification

Standard	
Model	FNS100-AFB-A
Item	Content
Ethernet Standard	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u;100Base-TX/FX; IEEE802.3ab ,IEEE 802.3af,IEEE 802.3at;and,etc.
Industry Standard	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

Switching Characteristics	
Model	FNS100-AFB-A
Item	Content
Buffer Memory	4Mbit
Transmission Method	Store-and-forward
Backplane Bandwidth	3.2G
Switching Latency	<10μs
MAC Address	8K
Power	
Item	Content
Input Voltage	Non POE：DC12-52V POE：DC48-57V (Dual power redundancy backup)
Access Terminal	Phoenix terminal block

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Characteristics	Support dual power supply redundancy Support built-in over-current protection Support reverse connection protection with 4.0 A

Operating Environment	
Item	**Content**
Operating Temperature	-40 ºC ~75ºC
Storage Temperature	-40 ºC ~85ºC
Relative Humidity	5~95% (Non-condensing))

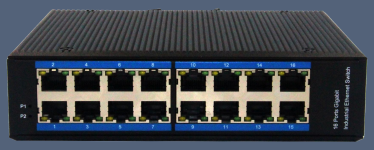
POE Standard（Optional）	
Item	**Content**
PoE Standard	IEEE802.3af/ IEEE802.3at
PoE Port	1-16 port support PoE
Output Power	Single port maximum power 15.4 W (IEEE 802.3 af) 30 W (IEEE 802.3 at)

Interfaces	
Item	**Content**
SFP Slot	Number：Non
Ethernet Port	Number：16 Type：RJ45, 10/100M automatic detection, full/half duplex MDI/MDI-X adaptive
Optical Fiber	Non

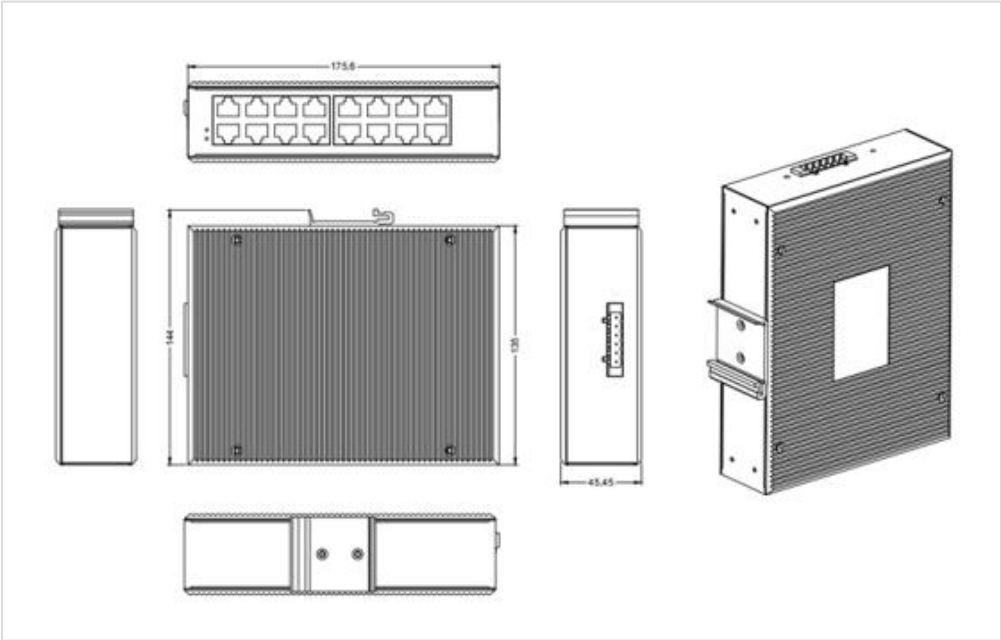
Other	
Model	**FNS100-AFB-A**
Item	**Content**
Shell	IP40 protection level, metal casing
Characteristic	Support plug and play, flexible networking
Dimension	175.6x135x45.5mm
Weight	<1Kg
Installation Method	DIN rail and wall mounted
Heat-dissipating Method	Natural cooling, no fan
LED	Power Indicator: PWR Port indicator: POE port, SFP port (Link/ACT)

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Dimension (mm): 175.6x135x45.5mm



Order Information

Model	Description
FNS100-016-AFB-A	Unmanaged Industrial Switch: 16-Port RJ45,DC12~52V, input wide temperature (-40 ° C -75 ° C), DC 24V/1A power adapter

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