

Four-Faith 四信

Managed Industrial Switch

FNS200-428-AGB-SFP-A

Din-Rail

Terminal Block

Introduction

FNS200-428-AGB-SFP-A is a network managed industrial Ethernet switch, complies with FCC, CE, RoHS standards. Support 4 Gigabit Combo optical ports and 24 10/100/1000M electrical ports; support the Ethernet layer 2 protocol required by the industrial site to ensure the stability of the communication network; 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 QoS (IEEE 802.1p/1Q) and TOS/DiffServ to increase network stability

Standard & Convenience

- Support STP/RSTP/ERPS, SNMPv1/v2/v3 to ensure network security
- Support Rack-mounte
- Support POE (Optional)

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High Performance

- Support IGMP Snooping
- Support port based VLAN port, IEEE 802.1Q VLAN, easy network planning
- Using RMON to improve the prediction capability of network monitoring machine
- Support port mirroring function facilitates online debugging
- Support port rate limiting, broadcast storm suppression
- Support multicast storm suppression, unknown unicast storm suppression
- Support security management: ACL, 802.1X
- Management function: supports WEB, CLI, and SNMP management
- Support port mirroring, interface status monitoring, log management

Production Specification

Standard	
Model	FNS200-AGB-A
Item	**Content**
Ethernet Standard	IEEE802.3-10BaseT, IEEE802.3u-100BaseTX/100Base-FX, IEEE802.3x-Flow Control, IEEE802.3z-1000BaseLX, IEEE802.3ab-1000BaseTX, IEEE802.1ab logical Link discovery protocol, IEEE802.1D-Spanning Tree Protocol, IEEE802.1w-Rapid Spanning Tree Protocol, IEEE802.1Q -VLAN Tagging, IEEE802.1p -Class of Service, IEEE802.1X-Port Based Network Access Control 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

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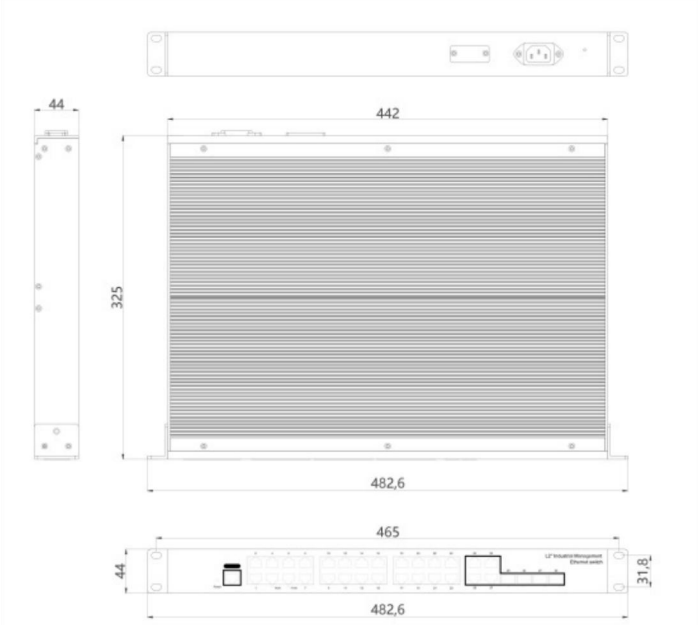
Switching Characteristics	
Model	FNS200-AGB-A
Item	Content
Buffer Memory	16Mbit
Transmission Method	Store-and-forward
Backplane Bandwidth	56G
Switching Latency	<10μs
MAC Address	16K
Power	
Item	Content
Input Voltage	Non POE AC110-240V and DC36~72V，POE：AC110-240V
Access Terminal	Phoenix terminal block，Pin Zi power socket
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))
Interfaces	
Item	Content
SFP Slot	Number：4 Type：1000BaseFX port (SFP slot), supporting 100 megabytes
Ethernet Port	Number：28 Type：RJ45, 10/100M automatic detection, full/half duplex MDI/MDI-X adaptive
Optical Fiber	Support single-mode/multi-mode fiber Multi-mode fiber: 550M Single-mode optical fiber: 20/40/60/80/100KM
POE Standard（Optional）	
Item	Content
PoE Standard	IEEE802.3af/ IEEE802.3at
PoE Port	1-24 port support PoE
Output Power	Single port maximum power 15.4 W (IEEE 802.3 af) 30 W (IEEE 802.3 at)

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Other	
Model	FNS200-AGB-A
Item	Content
Shell	IP40 protection level, metal casing
Characteristic	Support the Console, Telnet, SSH, WEB management Support SNMP v1 / v2c/v3
Dimension	442×325×44mm
Weight	<4Kg
Installation Method	Rack-mounte
Heat-dissipating Method	Natural cooling, no fan
Redundant Technology	Support STP/RSTP/MSTP Support ERPS
Multicast Technology	IGMP snooping，MLD snooping
Switching Function	Support the port speed limit Support port truck Support port flow control port VLAN, IEEE 802.1 Q VLAN Support broadcast storm suppression
LED	Power Indicator: PWR Port indicator: SFP port (Link/ACT)

Dimension (mm): 442×325×44mm



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Order Information

Model	Description
FNS200-428-AGB-SFP-A	AluminiumL2 Industrial Switch, 1000Mbps 24-Port RJ45+4G combo , Power supply: AC110-240V and DC36-72V . work temperature: -40℃-75℃