

Managed Industrial Switch

FNS200-1612-AGB-SFP-AR-A

Din-Rail

Terminal Block

Introduction

FNS200-1612-AGB-SFP-AR-A is a network managed industrial Ethernet switch, complies with FCC, CE, RoHS standards. Support 4 Gigabit Combo optical ports and 8*10/100/1000M electrical ports and 16 Gigabit optical 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

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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-AR
Item	**Content**
Buffer Memory	16Mbit
Transmission Method	Store-and-forward
Backplane Bandwidth	256Gbps
Switching Latency	<10μs
MAC Address	16K
Power	
Item	**Content**
Input Voltage	Non POE AC110-240V and DC36~72V
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：20 Type：1000BaseFX port (SFP slot), supporting 100 megabytes
Ethernet Port	Number：12 Type：RJ45, 10/100/1000M 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

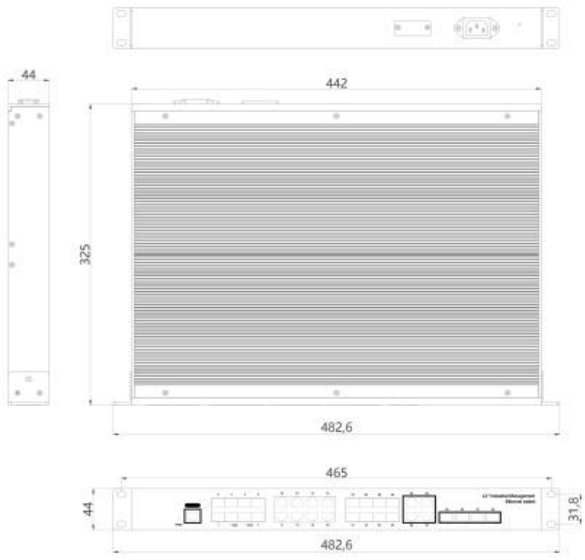
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Other	
Model	**FNS200-AGB-AR**
Item	**Content**
Shell	IP40 protection level, metal casing
Characteristic	Support the Console, Telnet, SSH, WEB management Support SNMP v1 / v2c/v3
Dimension	442×325×44mm
Weight	<4Kg
Installation Method	Rack-mounte
Heat-dissipating 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
FNS200-1612-AGB-SFP-AR-A	Alliuminun L2 Industrial Switch, 1000Mbps 16-Port SFP+8-Port RJ45+4G combo ,bracket mounted, dual Power supply: DC36~72V and AC110-240V(through AC input), work temperature：-40℃-75℃

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