

FR-7N3016

16x10/100/1000Base-TX



Brief introduction

FR-7N3016 is a new generation industrial switch with 16-Port 10/100/1000Base-TX that provide stable and reliable Ethernet transmission offered by Fiberroad, with high quality design and reliability. It is positioning in the broadband network intervention market, to offer and realize Ethernet data exchange, convergence and long-distance optical transmission with efficient bandwidth and reliable fiber optic network solutions for users. The industrial switch complies with various characteristics such as mini size, no fan, low power consumption, high reliability and stability, and easy to maintain.

FR-7N3016 can offer redundant mechanisms for critical applications that need always-on connections. It can also operate either at standard operating temperature range -40 to 75°C. Housed in rugged DIN rail or wall mountable IP40 enclosures, these switches are perfect choices for harsh environments, such as industrial networking, intelligent transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.

Features

- > 16x10/100/1000Base-TX
- > Support Auto-MDIX, and full/half duplex self-negotiation mode
- > Support 10K bytes giant frame, compatible with various extension protocol
- > 8K MAC address table
- > Support IEEE802.3az energy efficient Ethernet technology
- > Electric 8KV surge protection, easy to use in outdoor environment
- > Complete status indicator, working state at a glance
- > Power input polarity protection design, no worry about wrong operation
- > Aluminum case, no fan design
- > Installation method: DIN rail /Wall mounting

Specification

Physical Port

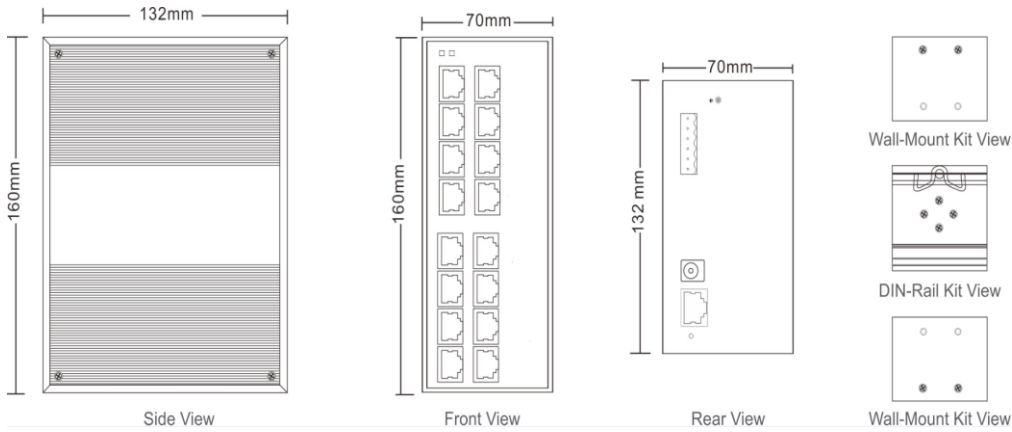
RJ45 Port and Speed	16x10/100/1000Base-TX
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Parameters

Ethernet Standards	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.3az IEEE802.3ah IEEE802.1X IEEE802.1Q
Packet Buffer	4M
Maximum Packet Length	Up to 10K
MAC Address Table	8K
Transmission Mode	Store and Forward (full/half duplex mode)
Exchange Property	Delay time: < 7 μ s Backplane bandwidth: 32Gbps; Packet forwarding rate: 23.808Mpps
PoE (Optional)	
PoE Standard	16x IEEE 802.3af/IEEE 802.3at PoE
Power Budget	Max. PoE output power budget 30W per port
LED Indicator	
Power	Connect-always
RJ45	Link/Act: connect-always; data exchange-twinkle
Fiber	Link/Act: connect-always; data exchange-twinkle
Power Information	
Power Access Mode	Phoenix terminal, DC seat
Redundant Power Input	DC 9-56V
Overload Protection	Yes
Power Reverse	Support
Power Consumption	Full-load<15W
Physical Property	

AAAProtection Grade	IP40 aluminum case
Cooling Mode	Natural cooling, no fan design
Dimensions	160mm x 132mm x 70mm (L x W x H)
Installation Mode	DIN rail/wall-mountable
Weight	1.05kg (With PoE: 1.1kg)
Working Environment	
Operating Temperature	-40°C~75°C
Operating Humidity	5%~90% non-condensing
Storage Temperature	-40°C~85°C
Warranty	
MTBF	500,000 hours
Defects Liability Period	3 year warranty, lifetime technical support
Certification Standard	
EMC	FCC Part15 Class A CE-EMC/LVD RoHS EN61000-4-2 (ESD), EN61000-4-3 (RS) EN61000-4-4 (EFT), EN61000-4-5 (Surge) EN61000-4-6 (CS), EN61000-4-8 EN61000-4-11
Vibration	IEC60068-2-6 -40~75°C High and Low Temperature Test IP40 Protection Test

Dimensions



Package List

- 1 x Fiber Switch
- 1 x Rail Mounting Kit
- 1 x Wall Mount Kit
- 1 x Warranty Card

Order Information

Model Number	Port Description
FR-7N3016	Industrial Ethernet Switch, 16 x 10/100/1000M Base-TX
FR-7N3016P	Industrial Ethernet Switch, 16 x 10/100/1000M Base-TX/ 16xPoE

*RJ45 port with PoE optional.