

# FR-5N3224-P

24x10/100/1000Base-TX +  
2xGigabit SFP



PoE  
802.3at  
802.3af

Buffer  
4M

Bandwidth  
56G

## Brief Introduction

FR-5N3224-P is a new generation Power over Ethernet switch with 24-Port 10/100/1000Base-TX and 2 Gigabit SFP that provide stable and reliable Ethernet transmission offered by Fiberroad, with high quality design and reliability. It is positioning in the broadband network 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.

## Features

- > 24x10/100/1000Base-TX RJ45 ports, 2xGigabit SFP/ 24xPoE
- > AI Extend: Extend 250M transmission
- > AI QoS: Video data first, more fluent transmission
- > AI VLAN: Avoid the internet storm and enhance the networkability
- > AI PoE: Automatic self checking, reboot the device while find it fakedead
- > Support Auto-MDIX, and full/half duplex self-negotiation mode
- > Provide SC/FC/ST/LC interface fiber port, support single/dual fiber transmission
- > Support 10K bytes giant frame, compatible with various extension protocol
- > 8K MAC address table
- > Support IEEE802.3az energy efficient Ethernet technology
- > Support IPv6 Protocol
- > Electric 4KV surge protection
- > Complete status indicator, working state at a glance
- > 1U rack-mount type

## Specification

### Physical Port

RJ45 Port and Speed	24x10/100/1000Base-TX
Fiber Port and Speed	2xGigabit SFP

### Parameters

Ethernet Standards	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.3az IEEE802.3Qad IEEE802.3ah IEEE802.1X IEEE802.1Q IEEE1588
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: < 7μs Backplane bandwidth: 56Gbps; Packet forwarding rate: 47.616Mpps

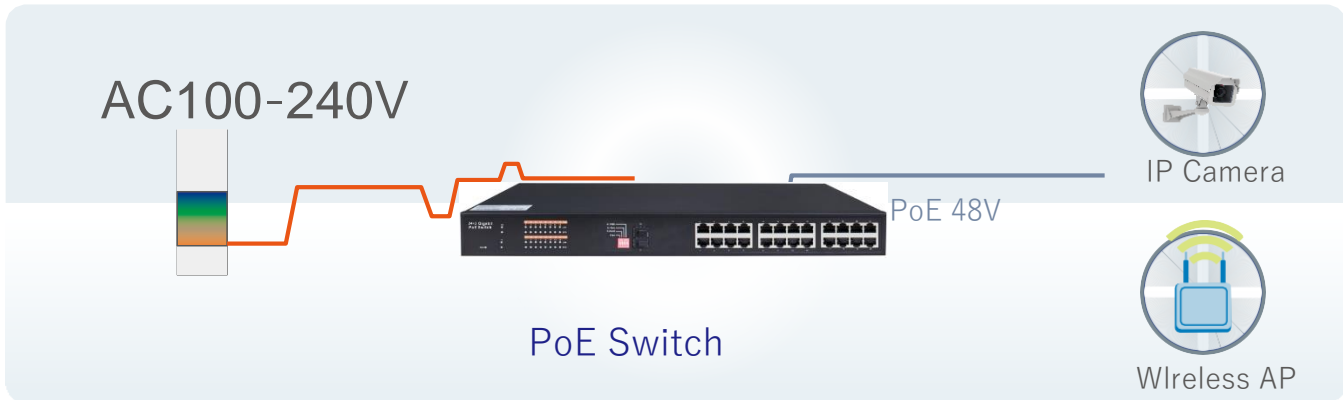
### PoE

PoE Standard	24x IEEE 802.3af/IEEE 802.3at PoE
Power Budget	Max. PoE output power budget 30W per port

## Specification

<b>LED Indicator</b>	
Power	Connect-always
RJ45	Link/Act: connect-always; data exchange-twinkle
Fiber	Link/Act: connect-always; data exchange-twinkle
<b>Power Information</b>	
Redundant Power Input	AC 100-240V 50/60Hz
Power Consumption	Full-load<15W (PoE Max 350W)
<b>Physical Property</b>	
Enclosure	Metal
Dimensions	440mm x 395mm x 45mm (L x W x H)
Weight	3.55kg (With PoE: 3.6kg)
<b>Working Environment</b>	
Operating Temperature	0°C~50°C
Operating Humidity	5%~90% non-condensing
Storage Temperature	-10°C~70°C
<b>Warranty</b>	
MTBF	500,000 hours
Defects Liability Period	2 year warranty, lifetime technical support
<b>Certification Standard</b>	
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

## Application



## Order Information

Model Number	Port Description
FR-5N3216-P	PoE Switch, 16 x 10/100/1000M Base-TX + 2 x Gigabit SFP / 16xPoE
FR-5N3224-P	PoE Switch, 24 x 10/100/1000M Base-TX + 2 x Gigabit SFP / 24xPoE

\*Fiber port can add 1\*9 module. RJ45 port with PoE optional.