

# FR-6N1005

5x10/100Base-TX



## Overview

FR-6N1005 is a 5x10/100Mbps Industrial Ethernet switch, which is designed for small business network application. Provides you an easy way to make the access point to Ethernet . This switch features a robust design making it ideal for deployment in industrial and outdoor surveillance settings, capable of withstanding the harshest environments. In addition, the switch is Plug-and-Play, allowing for effortless and swift deployment. FR-6N1005 can optionally support DIN-Rail mounting or Wall mounting, thus suitable for various installation methods. LEDs provide visual monitoring of Ethernet-connected devices such as IP cameras, wireless access points, or PC/laptop via 10/100Base-T twisted-pair RJ45 ports on FR-6N1005.

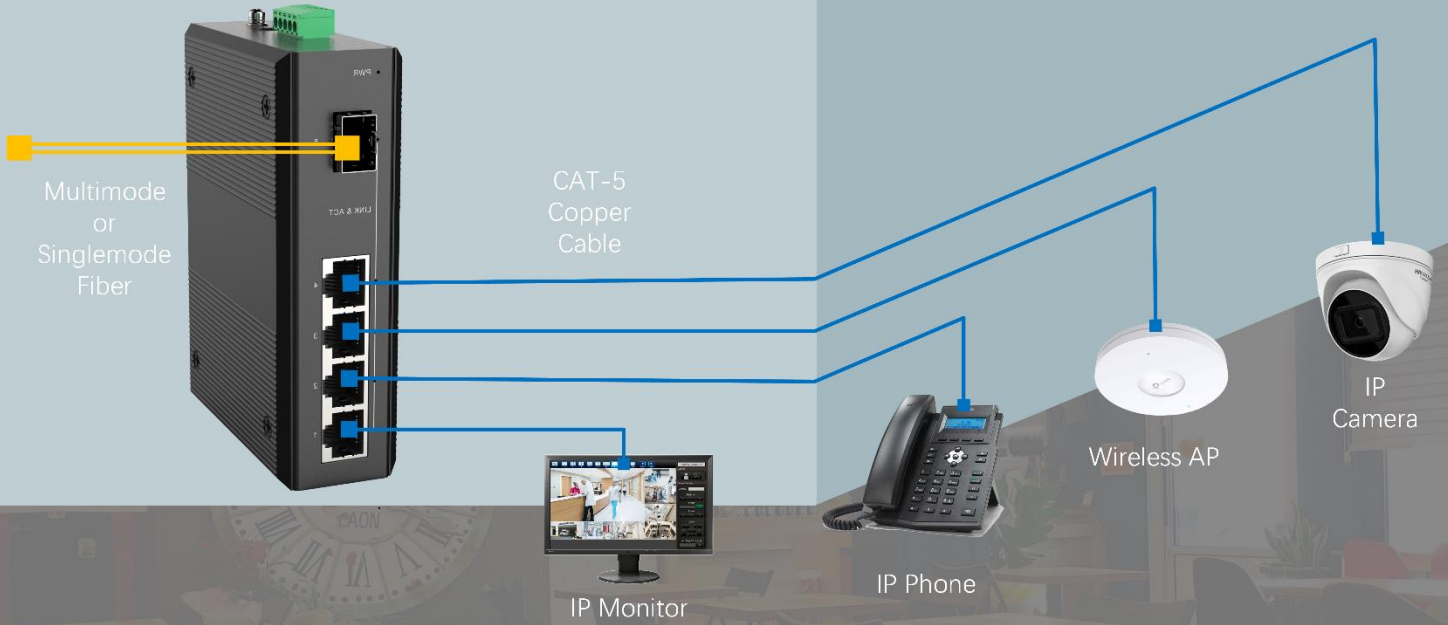
## Features

- Support up to 5 ports (5xTx ports)
- Full/Half-duplex self-adaptation
- MDI/MDIX automatic recognition
- Maximum Frame:2048 Bytes, 1.8G backplane bandwidth
- Support IEEE802.3AZ high-efficiency energy-saving technology
- 4KV anti-static protection, easy to deal with outdoor environment use
- Working temperature -35~75°C
- Wide-range DC9~56V power input
- Support power input polarity protection, no worries about the reverse connection
- Aluminium shell, fanless design
- Plug and play, no software configuration needed

## Specification

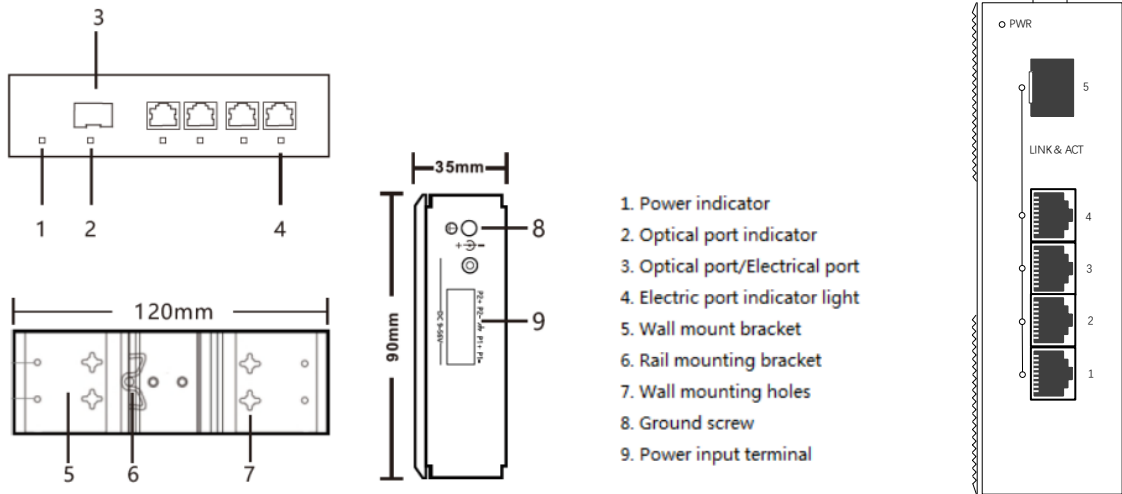
Standards	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3az IEEE802.1q, IEEE802.1x
Buffering	1Mbits
Maximum Frame	2048 Bytes
MAC Address	1K
Backplane Bandwidth	1.8Gbps
Latency	< 7us
Forwarding Mode	Store and Forward
<b>Power Supply Information</b>	
Operating Voltage	DC 9-56V
Overvoltage Protection	Support
Reverse Power Supply	Support
Power Consumption	< 2W (Full Load)
<b>Physical Characteristics</b>	
Material	Aluminum
Cooling Method	Natural cooling, fanless design
Dimension	120mm x 90mm 35mm
Installation Method	DIN-Rail / Wall Mounting
Weight	370g
<b>Environmental Requirements</b>	
Operating Temperature	-35°C ~ 75°C
Relative Humidity	5% ~ 90% (
Storage Temperature	-40°C ~ 85°C
<b>Guarantee</b>	
MTBF	360,000 Hours
Warranty	3 years
EMI	FCC Part 15 Class A, EN 55022 Class A
EMC	EN61000-4-2(ESD) EN61000-4-4(RS) EN61000-4-4(EFT) EN61000-4-5(Surge) EN61000-4-6(CS) EN61000-4-8 EN61000-4-11
Hit	IEC60068-2-27
Fall	IEC60068-2-32
Shock	IEC60068-2-6
Security Level	EN60950-1

# Solution



## Small Business Access Network

## Drawing



## Order Information

Model Number	Port Description
FR-6N1005	5 x 10/100M Base-TX Industrial Ethernet Switch
FR-6N1101	1 x 10/100M Base-TX + 1 x 100M Base-FX SFP Industrial Ethernet Switch
FR-6N1102	2 x 10/100M Base-TX + 1 x 100M Base-FX SFP Industrial Ethernet Switch
FR-6N1104	4 x 10/100M Base-TX + 1 x 100M Base-FX SFP Industrial Ethernet Switch