FR-6N1008

8x10/100Base-Tx

Overview

FR-6N1008 is a 8x10/100Mbps 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-6N1008 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-6N1008.
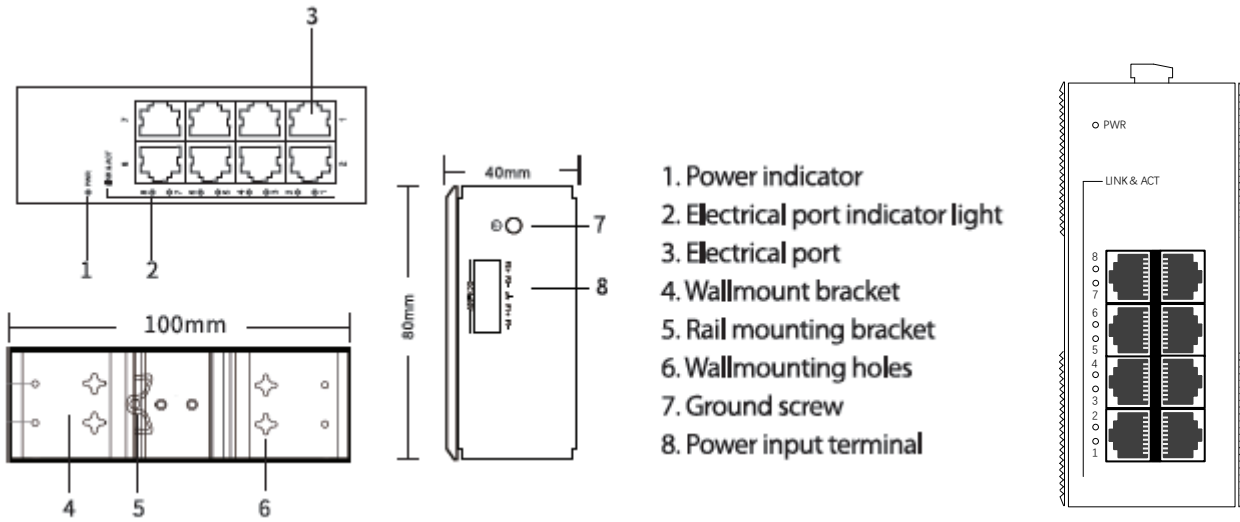
Features

- Support up to 8 ports x 10/100Base-T
- 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℃
- 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
Interface	8 x 10/100Mbps RJ45
Packet Forwarding Rate	1.99Mpps
Buffering	1Mbits
Maximum Frame	2048 Bytes
MAC Address	1K
Backplane Bandwidth	1.8Gbps
Latency	＜7us
Forwarding Mode	Store and Forward
Power Supply Information	
Operating Voltage	DC 9-56V
Overvoltage Protection	Support
Reverse Power Supply	Support
Power Consumption	＜3W (Full Load)
Physical Characteristics	
Meterial	Aluminum
Cooling Method	Natural cooling, fanless design
Dimension	100mm x 80mm 40mm
Installation Method	DIN-Rail / Wall Mounting
Weight	400g
LED Indicator	System Power Link/Act indicators per port built into each RJ45 port
Environmental Requirements	
Operating Temperature	-35℃ ~ 75℃
Relative Humidity	5% ~ 90%
Storage Temperature	-40℃~85℃
Guarantee	
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

Drawing

1. Power indicator
2. Electrical port indicator light
3. Electrical port
4. Wallmount bracket
5. Rail mounting bracket
6. Wallmounting holes
7. Ground screw
8. Power input terminal

Order Information

Model Number	Port Description
FR-6N1008	8 x 10/100M Base-TX Industrial Ethernet Switch
FR-6N3008	8 X 10/100/1000M Base-TX Industrial Ethernet Switch