KIEN1008G

8G Port Full Gigabit Unmanaged DIN-Rail Switches

- 2 Gigabit Combo ports and 6 10/100/1000Base-TX ports
- EMC performance reaches industrial level 4
- IP40 protection class
- UL508 (pending), Class I Div 2(pending),CE, FCC certificates

CE FC

Overview

The KIEN1008G full Gigabit series belong to Kyland ultra low power consumption Green Ethernet series, equipped with 8 Gigabit ports, plug and play. The solid metal housing with IP40 protection class, strong vibration-resistent mounting clip for DIN-Rail installation, reduandant power inputs, wide operating temperature range from -40℃ to 85℃, and excellent EMC performance give the switches stable and reliable operating capability in the harsh industrial environments, and make them ideal for setting up high bindwidth Ethernet connections in power, factory automation, oil and gas and other insutrial applications.

Technical Specification

Technical Parameters

Standard
- ▼ IEEE 802.3i (10Base-T)
- ▼ IEEE 802.3u (100Base-TX)
- ▼ IEEE 802.3ab(1000Base-T)
- ▼ IEEE 802.3z (1000Base-X)

Switch Properties

MAC Table	8K
Packet Buffer	1Mbit
Packet Forwarding Rate	11.9Mpps
Switching Delay	<5µs

Interface

Gigabit Port
- ▼ 1000Base-X, SFP slot
- ▼ 10/100/1000Base-T(X), RJ45 port

LED

LEDs on Front Panel
- ▼ Power LED:PWR1, PWR2
- ▼ Interface LED:Link/ACT, Speed (RJ45 port), Link/ACT (fiber port)

Power Requirement

Power Input
- ▼ 24-48VDC
- ▼ 12-24VDC

Power Terminal
- ▼ 5-pin 5.08mm-spacing plug-in terminal block

Power Consumption	<16W
Overload Protection	Support
Reverse Protection	Support
Redundancy Protection	Support

Physical Characteristics

Housing	Metal
Cooling	Natural convection, fanless
Protection Class	IP40
Dimension	88mm×135mm×137mm(W×H×D)
Weight	1.2Kg
Mounting	DIN-Rail or Panel Mounting

Environmental Limits

Operating Temperature	-40℃ to +85℃
Storage Temperature	-40℃ to +85℃
Ambient Relative Humidity	5-95% (non-condensing)

Warranty

MTBF	357,000 hrs
Warranty	5 years

Approvals

UL508 (Pending), Class I Div 2 (Pending), CE, FCC

Industrial Standards

EMI
▼ FCC CFR47 Part 15,EN55022/CISPR22,Class A
EMS
▼ IEC61000-4-2(ESD) ±8kV(contact),±15kV(air)

IEC61000-4-3(RS) 10V/m(80MHz–2GHz)
▼ IEC61000-4-4(EFT) Power Port:±4kV;Data Port:±2kV
▼ IEC61000-4-5(Surge) Power Port: ±2kV/DM, ±4kV/CM; Data Port:±2kV
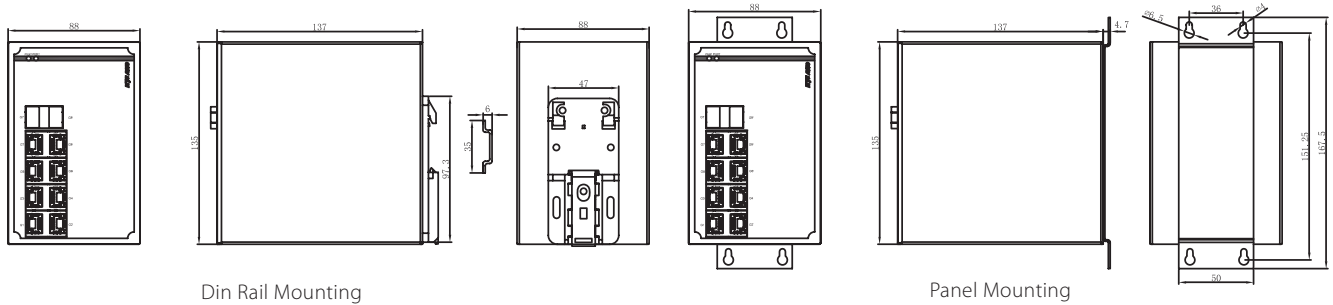IEC61000-4-6(CS) 10V(150kHz–80MHz)

Machinery

▼ IEC60068-2-6 (Vibration)
▼ IEC60068-2-27 (Shock)
▼ IEC60068-2-32 (Free Fall)

Mechanical Drawing

Din Rail Mounting

Panel Mounting

Ordering Information

KIEN1008G-Ports-PS1-PS2	
Ports	
2G6GE	2×1000Base-X,10/100/1000Base-T(X) Combo ports; 6×10/100/1000Base-T(X) RJ45 ports
8GE	8×10/100/1000Base-T(X) RJ45 ports
PS	
L2-L2	24-48VDC, redundant power inputs
L5-L5	12-24VDC, redundant power inputs

Accessories

Accessory Model	Description
Gigabit SFP module	Please refer to the Gigabit SFP module ordering list
DT-BGAZ-02	Panel for panel mounting
DT-FCZ-RJ45-01	Dustproof cover for RJ45 port