

KIEN1008G**8G Port Full Gigabit Unmanaged Din-Rail Switch**

- Green Ethernet solution with ultra low power consumption design
- As low as 7.5 watts full load power consumption
- 8 10/100/1000Base-TX ports or 2 Gigabit combo ports and 6 10/100/1000Base-TX ports
- Redundant AC/DC power inputs with wide voltage range
- EMC performance reaches industrial level 4
- IP40 protection class
- UL508 (pending), Class 1 Div 2 (pending), CE, FCC certificates

**Technical Specifications****Standard**

IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z

Switch Properties

MAC Table: 8K

Packet Buffer: 1Mbit

Packet Forwarding Rate: 11.9Mpps

Switching Delay: <5μs

Interface

Gigabit Ethernet Port Combinations:

- 1) 2 combo 1000Base SFP slots or 10/100/1000Base-TX ports, and 6 10/100/1000Base-TX RJ45 ports
- 2) 8 10/100/1000Base-TX RJ45 ports

LED

LEDs on Front Panel:

Power LED: PWR1, PWR2

Interface LED: Link/ACT, Speed (RJ45 port)

Transmission Distance

Twisted Pair: 100m (Standard CAT5, CAT5e network cable)

Multi Mode Fiber: 850nm, 550m (1000M)

Single Mode Fiber: 1310nm, 10km/40km (1000M)
1550nm, 60km/80km (1000M)**Power Requirements**

Power Input: 12VDC (9-36VDC), 24VAC/DC (18-50VAC/18-72VDC)

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

Power Consumption: KIEN1008G-2GX/GE-6GE: 8.5W (full load)
KIEN1008G-8GE: 7.5W (full load)

Overload Protection: Support

Reverse Connection Protection: Support

Redundancy Protection: Support

Physical Characteristics

Housing: Metal, fanless

Protection Class: IP40

Dimensions (W×H×D): 88×135×137 mm (3.46×5.31×5.39 in.)

Weight: 0.76kg (1.676 pound)

Mounting: DIN-Rail or Panel mounting

Environmental Limits

Operating Temperature: -40 to 85°C (-40 to 185°F)

Storage Temperature: -40 to 85°C (-40 to 185°F)

Ambient Relative Humidity: 5 to 95% (non-condensing)

MTBF

357,000 hrs

Warranty

5 years

Approvals

UL508 (pending), Class 1 Div 2 (pending), CE, FCC

Industrial Standard

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): 3V (10kHz-150kHz); 10V (150kHz-80MHz)

IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)

Machinery:

IEC60068-2-6 (Vibration)

IEC60068-2-27 (Shock)

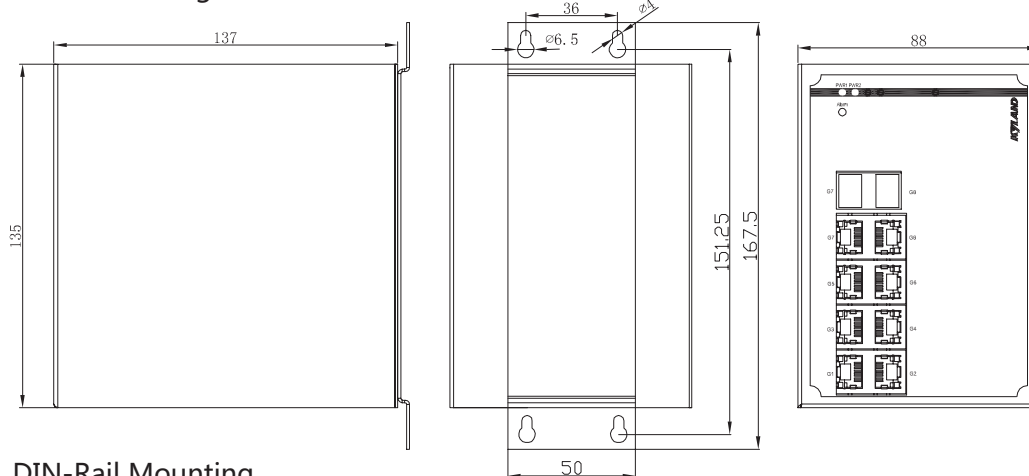
IEC60068-2-32 (Free Fall)

Industry: IEC61000-6-2

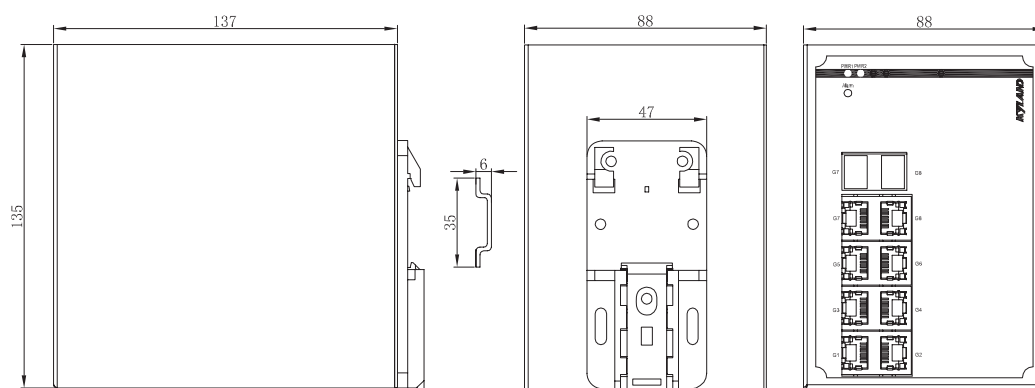
Railway: EN50155, EN50121-4

Mechanical Drawing

Panel Mounting



DIN-Rail Mounting



Ordering Information

Model	Gigabit Ethernet Port		Power Supply	
	10/100/1000Base-TX	1000M Combo	9-36VDC	18-50VAC/18-72VDC
KIEN1008G-2GX/GE-6GE	6	2		
KIEN1008G-8GE	8	--		

Please Select

Accessories

Model	Description
Gigabit SFP module	Refer to Kyland industrial Gigabit SFP list
DT-BGAZ-02	Panel mounting kit
DT-FCZ-RJ45-01	RJ45 dustproof shield

Order Codes

KIEN1008G - _____ - _____ - _____
 Combo **GE** **PS**

Combo: Gigabit Combo Ports

2GX/GE= 2 Gigabit combo ports

None= No Gigabit combo port

GE: 10/100/1000Base-TX RJ45 Ports

6GE= 6 10/100/1000Base-TX RJ45 ports

8GE= 8 10/100/1000Base-TX RJ45 ports

PS: Power Supply

12W=12VDC/24VDC (9-36VDC)

24A= 24VAC/24VDC/48VDC (18-50VAC/18-72VDC)

Example order codes

KIEN1008G-2GX/GE-6GE-24A

2 Gigabit combo ports, 6 10/100/1000Base-TX ports, 18-50VAC/18-72VDC, dual power inputs