KYLAND

KIEN1005G
5G Port Full Gigabit Unmanaged DIN-Rail Switches

Overview

The KIEN1005G full Gigabit series are Kyland ultra low power consumption Green Ethernet series, equipped with 5 Gigabit ports, plug and play, its full load power consumption is as low as 3.4 watts. 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°C to 85°C, and excellent EMC performance give the switches an stable and reliable operating capability in the harsh industrial environments, and make them ideal for setting up high bindwidth Ethernet connections in power, video survelliane, factory automation, oil and gas and other insutrial applications.

Key Features

Green Ethernet solution with full load power consumption as low as 3.4W

5 Gigabit RJ45 ports

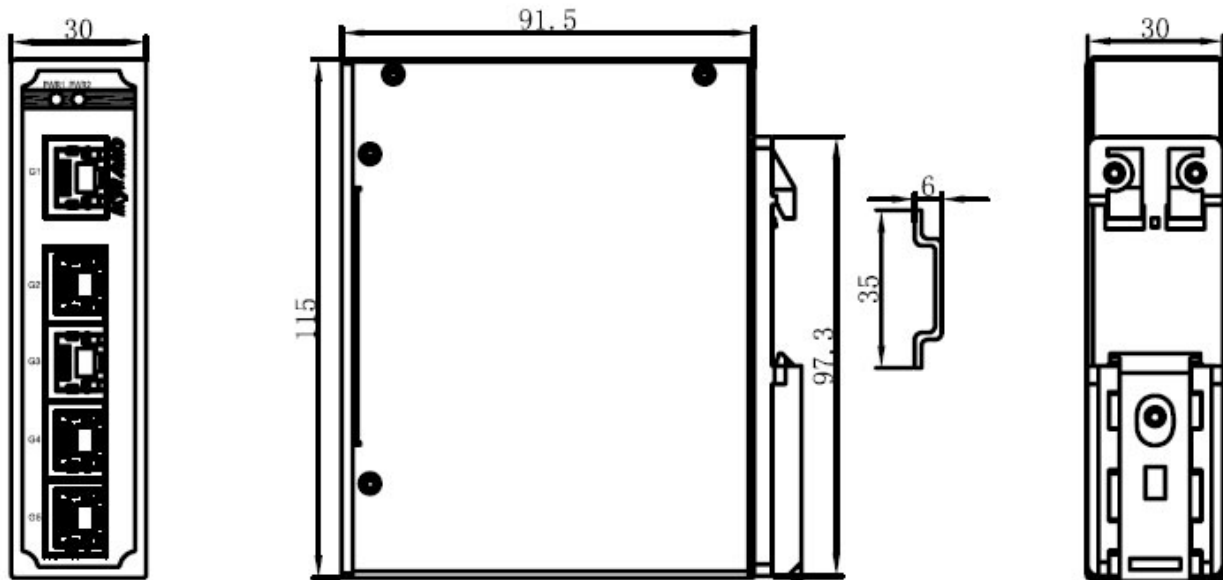EMC performance reaches industrial level 4

IP40 protection class

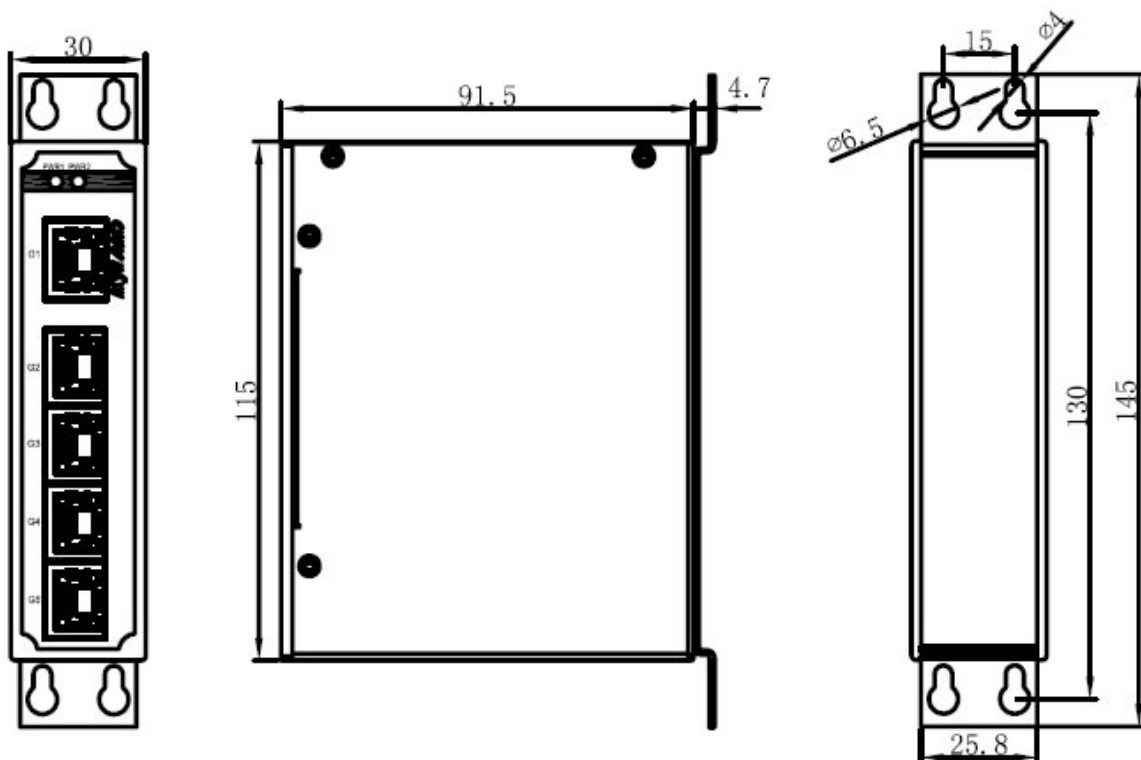CE,FCC certificates

Product Specifications

Technical Specification	Standard	IEEE 802.3i (10Base-T) IEEE 802.3u (100Base-TX) IEEE 802.3ab(1000Base-T)
	Switch Properties	MAC Table: 1K Packet Buffer: 1Mbit Packet Forwarding Rate: 7.4Mpps Switching Delay:<5μs
	Interface	Gigabit Port: 10/100/1000Base-T(X), RJ45 port
	LED	LEDs on Front Panel Power LED:PWR1, PWR2 Interface LED:Link/ACT, Speed (RJ45 port)
	Power Requirements	Power Input: 24-48VDC 12-24VDC Power Terminal: 5-pin 5.08mm-spacing plug-in terminal block Power Consumption: 3.4W (full load),0.99W (no load) Overload Protection: Support Reverse Protection: Support Redundancy Protection: Support
	Physical Characteristics	Housing: Metal Cooling: Natural convection, fanless Protection Class: IP40 Dimension: 30mm×115mm×91.5mm(W×H×D) Weight: 0.46Kg Mounting: DIN-Rail or Panel Mounting
	Environmental Limits	Operating Temperature: -40°C to +85°C Storage Temperature: -40°C to +85°C Ambient Relative Humidity: 5-95% (non-condensing)
	Quality Assurance	MTBF: 357,000 hrs Warranty: 5 years
	Approvals	CE(EMC): Models with L2(24-48VDC) FCC: Models with L2(24-48VDC)
	Industry 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) 10V(150kHz–80MHz) Machinery: IEC60068-2-6 (Vibration) IEC60068-2-27 (Shock) IEC60068-2-32 (Free Fall)

≫ Mechanical Drawing

DIN Rail Mounting

Panel Mounting

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Ordering Information

KIEN1005G-Ports-PS1-PS2
Ports
5GE   5 10/100/1000Base-T(X) RJ45 ports
PS
L2-L2   24-48VDC, redundant power inputs
L5-L5   12-24VDC, redundant power inputs

Accessories
DT-BGAZ-01   Panel for panel mounting
DT-FCZ-RJ45-01   Dustproof cover for RJ45 port

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