

# KIEN1005S

## 5 Port Unmanaged DIN-Rail PoE Switch



- 1 Fast Ethernet fiber/RJ45 optional port and 4 10/100Base-TX PoE ports compliant with 802.3af
- Support PD detection and PD classification
- Operating temperature is -40°C to 85°C
- IP40 protection class

### Overview

KIEN1005S series are Kyland produced unmanaged 5-port PoE switches, providing 1 fast Ethernet fiber/RJ45 optional port and 4 10/100Base-TX PoE ports compliant with IEEE802.3af. While transmitting data over the cable, each PoE port can output 15.4 watts to PoE terminals directly, eliminating the need for additional wiring. KIEN1005S supports wide operating temperature range from -40°C to 85°C, metal housing with IP40 protection class and redundant power inputs, becoming an economical and harsh-environment-resistant solution for the ITS, video surveillance and other automation applications.

### Technical Specification

#### Technical Parameter

Standard

- ▼ IEEE 802.3i(10Base-T)
- ▼ IEEE 802.3u(100Base-TX and 100Base-FX)
- ▼ IEEE802.3af (PoE)

#### Switch Properties

MAC Table	2K
Packet Buffer	1Mbit
Packet Forwarding Rate	0.8Mpps
Switching Delay	<10μs

#### Interface

Fast Ethernet Port

- ▼ 100Base-FX, SM/MM, SC/ST/FC connector
- 10/100Base-T(X), RJ45port

802.3af PoE Port

- ▼ Each PoE port provides max 15.4W feed power

- ▼ V+ for pin 1, 2 and V- for pin 3, 6 (End-Span PSE)

#### LED

LEDs on Front Panel

- ▼ Power LED:PWR1,PWR2
- ▼ Interface LED:Link/ACT
- ▼ PoE Status LED: POE

#### Power Requirements

Power Input	48VDC (45-57VDC)
Power Terminal	▼ 5-pin 5.08mm-spacing plug-in terminal block
Power Consumption	<3W (no PD), <65W (full PD)
PoE 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~+85°C
Storage Temperature	-40°C~+85°C
Ambient Relative Humidity	5-95% (non-condensing)

#### Warranty

MTBF	338,100 hrs
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Warranty

5 years

## Approvals

Inquire Kyland website for the newest dynamic.

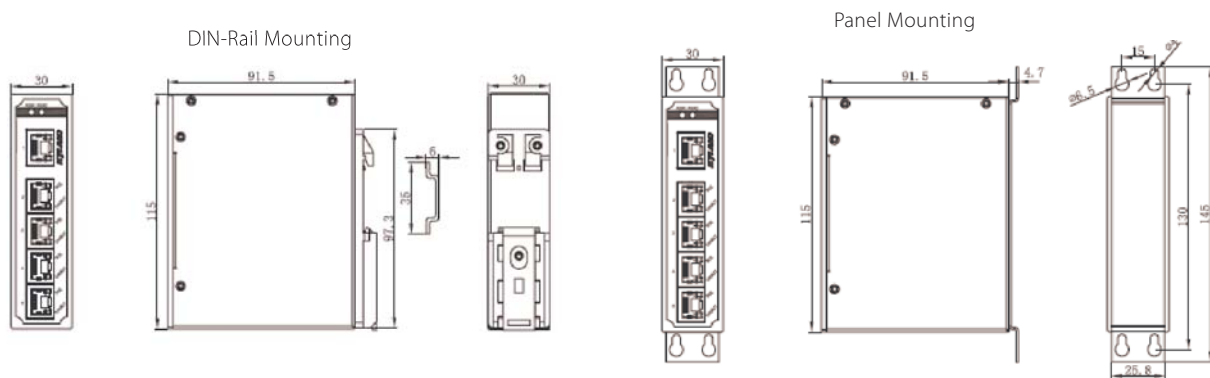
## Industry Standard

EMI

▼ FCC CFR47 Part 15,EN55022/CISPR22,Class A  
EMS

- ▼ IEC61000-4-2(ESD)  $\pm 6\text{KV}$ (contact): $\pm 8\text{KV}$ (air)
  - ▼ IEC61000-4-3(RS) 10V/m(80MHz ~ 2GHz)
  - ▼ IEC61000-4-4(EFT) Power Port: $\pm 2\text{KV}$
  - ▼ IEC61000-4-5(Surge) Power Port: $\pm 1\text{KV/DM}$ ,  $\pm 2\text{KV/CM}$ ;
  - ▼ IEC61000-4-6(CS) 10V(150kHz ~ 80MHz)
- Machinery
- ▼ IEC60068-2-27 (Vibration)
  - ▼ IEC60068-2-32 (Shock)
  - ▼ IEC60068-2-6 (Free Fall)

## » Mechanical Drawing



## » Ordering Information

### KIEN1005S-Ports-Connector-PS

#### Ports

1S4P	1×100Base-FX, single mode fiber port;4×10/100Base-T(X) RJ45 PoE ports
1M4P	1×100Base-FX, multi mode fiber port;4×10/100Base-T(X) RJ45 PoE ports
1T4P	1×10/100Base-T(X) RJ45 port;4×10/100Base-T(X) RJ45 PoE ports

#### Connector

#### 100M fiber port specifications

SC05	SC connector, multi-mode, 1310nm, 5km
ST05	ST connector, multi-mode, 1310nm, 5km
FC05	FC connector, multi-mode, 1310nm, 5km
SC40	SC connector, single-mode, 1310nm, 40km
ST40	ST connector, single-mode, 1310nm, 40km
FC40	FC connector, single-mode, 1310nm, 40km
SC60	SC connector, single-mode, 1310nm, 60km
SC80	SC connector, single-mode, 1550nm, 80km
None	No 100M fiber port

#### PS

L10-L10	48VDC (45-57VDC), redundant power inputs
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## » Accessories

### Accessory Model

### Description

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