KIEN3016A

16 Port Unmanaged DIN-Rail Switches

- 2 Fast Ethernet fiber/RJ45 optional ports, 14 10/100Base-T(X) ports
- EMC performance reaches industrial level 4
- IP40 protection class
- UL508 (pending), Class I Div 2(pending), CE, FCC certificates

CE FC

Overview

The KIEN3016A series are Kyland Green Ethernet series, offering up to 16 Fast Ethernet ports, plug and play. The solid metal housing with IP40 protection class, strong vibration-resistent mounting clip for DIN-Rail installation, wide operating temperature range from -40℃ to 85℃, 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 robust Fast Ethernet connection in power, ITS, factory automation, video survelliane and other indsutrial applications.

Software Functions

Technical Parameters

Standard
▼ IEEE 802.3i (10Base-T)
▼ IEEE 802.3u (100Base-TX and 100Base-FX)

Switch Properties

MAC Table	8K
Packet Buffer	2Mbit
Packet Forwarding Rate	2.4Mpps
Switching Delay	<10μs

Interface

Fast Ethernet Port
▼ 100Base-FX, SM/MM, SC/ST/FC connector
▼ 10/100Base-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 Requirements

Power Input
▼ 24-48VDC
▼ 12-24VDC
Power Terminal
▼ 5-pin 5.08mm-spacing plug-in terminal block

Power Consumption	<12W
Overload Protection	Support
ReverseProtection	Support
Redundancy Protection	Support

Physical Characteristics

Housing	Metal
Cooling Mode	Natural cooling, 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	361,000 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
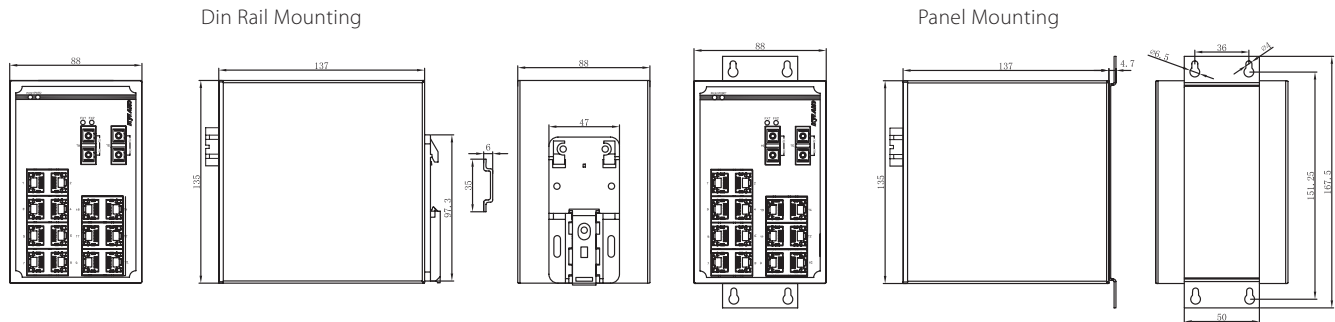▼ IEC61000-4-6(CS) 10V(150kHz–80MHz)

Machinery

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

⟫ Mechanical Drawing

Din Rail Mounting

Panel Mounting

⟫ Ordering Information

KIEN3016A-Ports-Connector-PS1-PS2

Ports	
2S14T	2×100Base-FX, single mode fiber ports; 14×10/100Base-T(X) RJ45 ports
2M14T	2×100Base-FX, multi mode fiber ports; 14×10/100Base-T(X) RJ45 ports
16T	16×10/100Base-T(X) RJ45 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	
L2-L2	24-48VDC, redundant power inputs
L5-L5	12-24VDC, redundant power inputs

⟫ Accessories

Accessory Model	Description
DT-BGAZ-02	Panel for panel mounting
DT-FCZ-RJ45-01	Dustproof cover for RJ45 port