KIEN5000

8 Port Managed Industrial Ethernet Switch

Version: 100527

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CE, FCC, RoHS, Chinese State Grid Certification

Overview

KIEN5000, an 8-port managed DIN-Rail Industrial Ethernet Switch, comes with DT-Ring technology which is developed by Kyland and used to set up a redundant Ethernet ring network. KIEN5000 also supports dual redundant power inputs. KIEN5000 offers 8 10/100Base-T(X) ports. With a web-based configuration interface, KIEN5000 ensures an easy installation and management of the switches.

Features

1. Supports 8 10/100Base-T(X) RJ45 ports
2. Supports DT-Ring (recovery time <100ms) and STP
3. Supports QoS, VLAN, SNMP, MIB V1/V2/V3, IGMP, port mirroring, port trunking, static MAC address binding
4. Complies with EMC industrial level 4 regulated in IEC61850-3 standard
5. Supports CLI, TELNET, WEB management functions
6. Broadcast storm control
7. Abundant power supply options and dual redundant DC power inputs
8. Alarm output for the failure of power supply
9. Ribbed aluminum case for heat dssipation (patent), fanless design
10. Operating temperature: -40 to 85°C (-40 to 185°F)
11. DIN-Rail and wall-mounting
12. IP40 protection class

Technical Specifications

Standard
IEEE802.3
IEEE802.3u
IEEE802.3x
IEEE802.1p
IEEE802.1q
IEEE802.1d
Store and forward switching mode

Network
Ring, chain and star network topology

Interface
10/100M Copper Ports: 8 x 10/100Base-T(X) ports, RJ45
Alarm Contact: 2-Pin 3.81mm-spacing terminal block, 250VAC/350VDC Max; 120mA Max
LED Indicators: RUN1, RUN2, PWR1, PWR2, LINK/ACT, 10M/100M

Cable
Twisted Pair: 0-100m (Standard CAT5, CAT5e network cable)
Multi Mode Fiber: 1310nm, 0-5km
Single Mode Fiber: 1310nm, 0-40km; 1550nm, 0-80km

Power Requirements
Power input: 12VDC (9-18VDC), 24VDC (18-36VDC), 48VDC (36-72VDC), 110VDC (66-154VDC), 220VDC (220-370VDC),dual redundant power inputs; 110VAC (85-165VAC), 220VAC (165-265VAC), single power input
Power terminal: 3-Pin 3.81mm-spacing plug-in terminal block
Power consumption: <6W

Physical Characteristics
Casing: Ribbed aluminum case (fanless)
Protection class: IP40
Installation: DIN-Rail or wall mounting
Dimensions (WxHxD): 55.4x139x119.5 mm (2.18x5.47x4.70 in.)
Weight: 0.6kg (1.323 pound)

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: 0 to 95% (non-condensing)

Approvals
IEC61000-4-2 (ESD): ±4KV contact discharge, ±8KV air discharge
IEC61000-4-3 (RS): 10V/M (80-1000MHz)
IEC61000-4-4 (EFT): power line ±2KV, data line ±1KV
IEC61000-4-5 (Surge): power line ±2KV CM/±1KV DM, data line ±1KV
IEC61000-4-6 (CS): 3V (10KHZ-150KHZ),10V (150KHz-80MHz)
IEC61000-4-8 (Power frequency magnetic field): 100A/m cont. 1000A/m, 1s to 3s
IEC61000-4-12/18 (Damped oscillatory wave): 2.5KV CM, 1KV DM
IEC61000-4-10 (Damped oscillatory): 30A/m
IEC61000-4-16 (Common mode conduct): 30V cont. 300V, 1s
FCC CFR47 Part 15/EN55022: Class A&B
IEC61000-6-2 (Industrial Standards), EN50121-4 (Railway Applications)

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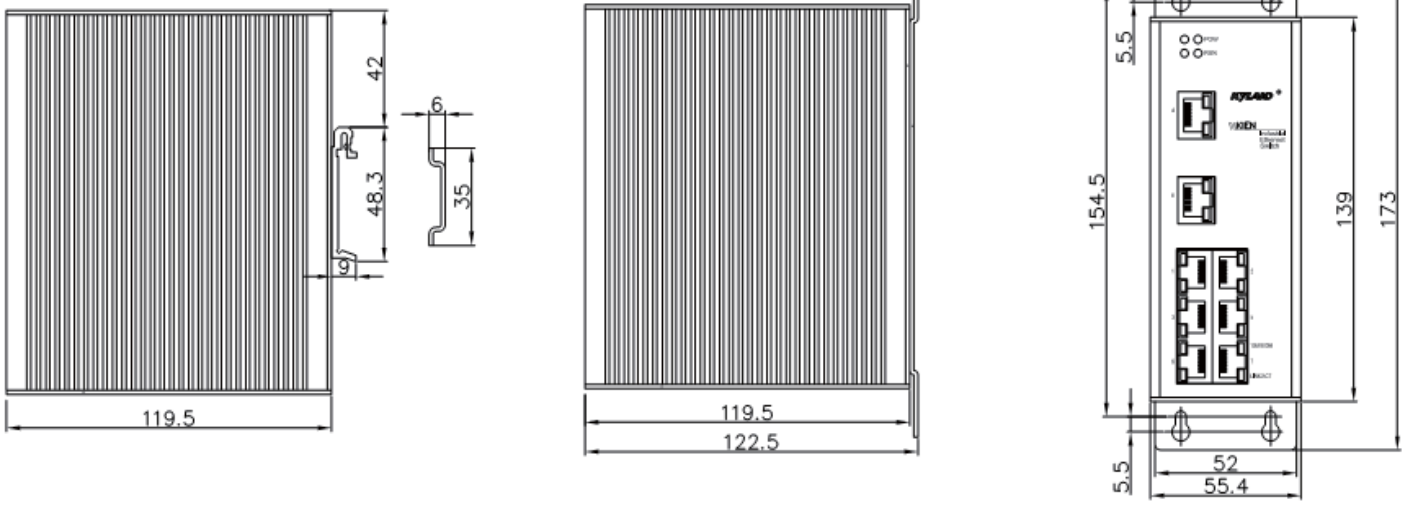
MTBF
35 years

Warranty
5 years

Mechanical Drawing



Ordering Information

Model	Description
KIEN5000-8T	Managed Ethernet switch with 8 10/100Base-T(X) ports, RJ45 connector, DIN-Rail, 12VDC (9-18VDC), 24VDC (18-36VDC), 48VDC (36-72VDC), 110VDC (66-154VDC), 220VDC (220-370VDC), dual redundant power inputs; 110VAC (85-165VAC), 220VAC (165-265VAC), single power input, -40 to 85°C operating temperature

Power supply: 12VDC, 24VDC, 48VDC, 110VDC, 220VDC, dual redundant power inputs
110VAC, 220VAC, single power input

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