



KIEN2000

8 Port Unmanaged
Industrial Ethernet Switch

CE, FCC, UL, RoHS,
Chinese State Grid
Certification

Overview

The KIEN2000 is an unmanaged 8-port industrial Ethernet switch. It offers 2 redundant 100Base-FX and 6 10/100Base-T(X) ports. With the plug-and-play feature, it is started up shortly. KIEN2000 offers dual redundant power inputs.

Features

1. Supports DT-Ring, recovery time < 100ms
2. Complies with EMC industrial level 4 regulated in IEC61850 standard
3. Dual redundant power inputs
4. Alarm output for the failure of power supply and port link
5. Ribbed aluminum case for heat dissipation (fanless)
6. Operating Temperature: -40 to 85°C (-40 to 185°F)
7. IP40 protection class
8. DIN Rail or wall mounting

Technical Specifications

Standard

IEEE802.3
IEEE802.3u
IEEE802.3x
Store and forward switching mode

Network

Ring, chain and star network topology

Interface

100M Fiber Ports: 2 redundant 100Base-FX ports, SM/MM, FC/SC/ST
10/100M Copper Ports: 6 10/100Base-T(X) ports, RJ45
Alarm Contact: 2-Pin 3.81mm-spacing terminal block, 1A 30VDC, 0.5A 125VAC

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 (70-140VDC), 220VAC/DC (110-265VAC/154-370VDC), dual redundant DC power inputs
Power terminal: 3-Pin 3.81mm-spacing plug-in terminal block
Power consumption: < 6W

Physical Characteristics

Casing: Ribbed aluminum case (fanless)
Protection class: IP40
Dimensions(WxHxD): 55.4x139x119.5 mm (2.18x5.47x4.70 in.)
Weight: 1kg (2.205 pound)
Installation: DIN-Rail or wall 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: 0 to 95% (non-condensing)

Approvals

IEC61000-4-2 (ESD): ±8KV contact discharge, ±15KV air discharge
IEC61000-4-3 (RS): 10V/M (80-1000MHz)
IEC61000-4-4 (EFT): power line ±4KV, data line ±2KV
IEC61000-4-5 (Surge): power line ±4KV CM/±2KV DM, data line ±2KV
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), IEC61850-3 (Substations), IEEE1613 (Electric Power Substations), EN50121-4 (Railway Applications)

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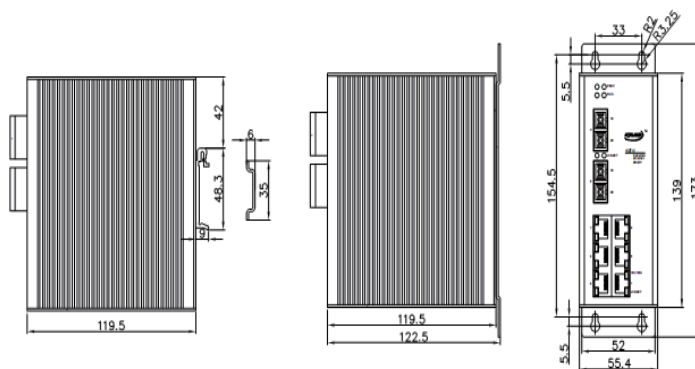
MTBF

35 years

Warranty

5 Years

Mechanical Drawing



Ordering Information

KIEN2000-2S(M)-6T: 2 x 100Base-FX ports, SM/MM, FC/SC/ST, 6 x 10/100Base-T(X) ports, RJ45
Power supply: 12VDC, 24VDC, 48VDC, 110VDC, 220VDC, dual redundant power inputs
220VAC single power input

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