EKI-4524I
EKI-4524RI

24-port Ethernet Switch with Wide Temperature
24+2 SFP Port Unmanaged Industrial Ethernet Switch with Wide Temperature

EKI-4524I   EKI-4524RI

RoHS COMPLIANT 2002/95/EC CE FCC

Features

- Backplane (Switching Fabric): 4.8 Gbps
- Provides 8K MAC address
- Supports 100 ~ 240 V_{AC}/ V_{DC} power input and power relay alarm
- Front panel LEDs simplify the monitoring and management
- Rear-end wiring with LED indicator (EKI-4524RI)
- Designed to be IEC-61850-3 compliant
- Wide operating temperature -40 ~ 75° C
- 1U 19" rack mount design

Introduction

EKI-4524I/4524RI is designed to be compliant with the IEC61850-3 certification for power automation systems and supports 24 Fast Ethernet ports and 2 x 100Base-TX SFP slots for different SFP modules in any application. EKI-4524I/4524RI has wide range voltage power input which provides convenient and uninterrupted power supply. EKI-4524RI has two sides (Front and Rear) LED indicator to show the link status conveniently. It also provides relay output for an event alarm. Quick notification and fast response time can shorten service procedures and reduce data loss in the field.

Specifications

Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x
- **LAN** 10/100Base-TX
- **Transmission Distance** Ethernet: Up to 100m
  SFP: Up to 30 km (depends on SFP)
- **Transmission Speed** Up to 100 Mbps

Interface

- **Connectors** 24 x RJ-45 (Ethernet)
  2 x SFP (mini-GBIC) ports (EKI-4524RI)
- **LED Indicators** System: PWR
  Copper: Link/Activity, Speed
  SFP: Link/Activity

Mechanism

- **Enclosure** IP30, metal shell with solid mounting kits
- **Dimensions (W x H x D)** 440 x 44 x 280 mm (EKI-4524RI)
  440 x 44 x 224 mm (EKI-4524I)
- **Mounting** 1U 19" Rack mount

Power

- **Power Input** 100 ~ 240 V_{AC} 50/60 Hz
  100 ~ 240 V_{DC}
- **Fault Output** 1 Relay Output (20 mA @ 250 V_{DC})

Protection

- **Power Reverse** Present

Environment

- **Operating Temperature** -40 ~ 75° C (-40 ~ 167° F)
- **Storage Temperature** -40 ~ 85° C (-40 ~ 185° F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 5 ~ 95% (non-condensing)

Certifications

- **EMC** FCC Part 15, Subpart B
  EN61000-6-2
  EN61000-6-4
  EN61000-4-2 Level 4
  EN61000-4-3 Level 3
  EN61000-4-4 Level 4
  EN61000-4-5 Level 3
  EN61000-4-6 Level 3
  EN61000-4-8 Level 4
  EN61000-4-11
- **Shock** IEC60068-2-27
- **Freefall** IEC60068-2-32
- **Vibration** IEC60068-2-6
- **Substation** IEC61850-3 compliant

Ordering Information

- **EKI-4524I** 24-port Ethernet Switch w/Wide Temp
- **EKI-4524RI** 24+2 SFP Port Ethernet Switch w/Wide Temp