

# EKI-4524I EKI-4524RI

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

**NEW**



EKI-4524I

EKI-4524RI



### Features

- 1U 19" rack mount
- 2 SFP ports, plus 24 Fast Ethernet ports
- Supports 110 ~ 220 VAC/ VDC power input and power relay alarm
- Fanless design
- Front panel LEDs simplify the monitoring and management
- Rear-end wiring with LED indicator
- Designed to be IEC-61850-3 compliant
- Wide operating temperature from -40 ~ 85° C
- Supports 8K MAC address tables
- UL508 certification

### Introduction

EKI-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-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-T(X), Optional 1000Base-FX
- **Transmission Distance** Ethernet: Up to 100m (4- wire Cat.5e)  
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  
Power: 5 x 2 poles Terminal Block x 1 (EKI-4524I)  
Power: 5 x 2 poles Terminal Block x 1 (EKI-4524RI)  
1 x 6 pin removable Terminal Block x 1 (EKI-4524RI)
- **LED Indicators** System: PWR, P-Fail  
10/100 T(X): Link/Activity, Duplex/Collision  
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
- **Mounting** 1U 19" Rack mount

#### Power

- **Power Input** AC 100 ~ 240 V 50/60 Hz (EKI-4524I & EKI-4524RI);  
DC 100 ~ 240 V (EKI-4524I)  
DC 12 ~ 48 V (EKI-4524RI)
- **Fault Output** 1 Relay Output (20 mA @ DC 250 V)

#### Protection

- **Power Reverse** Present

#### Environment

- **Operating Temperature** -40 ~ 85° C (-40 ~ 185° F)
- **Storage Temperature** -40 ~ 85° C (-40 ~ 185° F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)

#### Certifications

- **EMC** FCC Part 15  
CISPR 22
- **Safety** UL 508  
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  
IEC60068-2-27
- **Shock** IEC60068-2-32
- **Freefall** IEC60068-2-6
- **Vibration** IEC61850-3 compliant
- **Substation**

### Ordering Information

- **EKI-4524I** 24-port Ethernet Switch w/Wide Temp
- **EKI-4524RI** 24+2 SFP Port Ethernet Switch w/Wide Temp
- **EKI-4524ARI** 24+2 SFP Port Ethernet Switch w/Wide Temp, 24/48 V<sub>DC</sub>

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