# Introduction

The EKI-2525LI is a fast Ethernet solution. Power is delivered via a +12 ~ 48 VDC redundant input design with an additional DC power jack, and the unit is secured with power polarity reverse protection. Each port has 2 LED's to show the link status and transmission speed, and a relay output is included for an alarm events. In the event of a power failure, the built-in LED will activate the alarm to notify administrators. Engineers can simply verify the hardware status by checking the LED, which makes troubleshooting quick and easy. The EKI-2525LI comes with a compact metal enclosure, making it suitable for installation in narrow areas, and its IP40-rated enclosure ensures protection against dusty industrial environments.

## Specifications

### Communications

- **Standard IEEE**: 802.3, 802.3u, 802.3x
- **LAN**: 10/100BASE-TX
- **Transmission Distance**: Up to 100 m
- **Transmission Speed**: Up to 100 Mbps

### Interface

- **Connectors**: 5 x RJ45, 6-pin removable terminal (power and relay), 1 x DC power jack
- **LED Indicators**: PWR, PWR1, PWR2, PWR fail, 10/100TX: link/activity, duplex

### Power

- **Power Consumption**: 3W
- **Power Input**: 12 ~ 48 VDC, redundant dual inputs
- **Fault Output**: 1 relay output

### Mechanism

- **Dimensions (W x H x D)**: 25 x 80 x 84 mm (0.984” x 3.150” x 3.307”)
- **Enclosure**: IP40, metal housing with solid mounting kit
- **Mounting**: DIN rail, wall

### Protection

- **Reverse Polarity**: Present
- **Overload Current**: Present

### Environment

- **Operating Temperature**: -40 ~ 75 °C (-40 ~ 167 °F)
- **Storage Temperature**: -40 ~ 85 °C (-40 ~ 185 °F)
- **Operating Humidity**: 10 ~ 95% (non-condensing)
- **Storage Humidity**: 10 ~ 95% (non-condensing)
- **MTBF**: 6,873,904 hours

### Certification

- **EMI**: CE, FCC Class A
- **EMS**: EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, Shock IEC 60068-2-27, Freefall IEC 60068-2-32, Vibration IEC 60068-2-6
Dimensions

Panel Cut-Out Dimensions: 25 x 80 x 84 mm (0.984" x 3.150" x 3.307")

Ordering Information

- EKI-2525LI-AE 5FE Slim-Type Unmanaged Industrial Ethernet Switch