Introduction
The EKI-2728 supports Gigabit Ethernet. The power is a +12 – 48 VDC redundant input design, and is secured with a double protection mechanism: Power Polarity Reverse Protect and an Overload Current Fuse. The former tolerates reverse power wiring while the later secures the system from overload currents. Each port of EKI-2728 has 2 LED's to show the link status transmission speed and collision status. It also provides a relay output for an event alarm. 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, and have troubleshooting easy and quick. EKI-2728 comes with compact metal housing that rates IP30 to help against from dusty industrial environments.

Specifications

Communications
- **Standard**: IEEE 802.3, 802.3u, 802.3x, 802.3ab
- **LAN**: 10/100/1000Base-T(X)
- **Transmission Distance**: Up to 100 m (4-wire Cat.5e, Cat.6 RJ45 cable)
- **Transmission Speed**: Up to 1000 Mbps

Interface
- **Connectors**: 8 x RJ45, 6-pin removable screw terminal (power & relay)
- **LED Indicators**: P1, P2, P-Fail, 10/100/1000T (X): Link/Activity, Duplex/Collision

Power
- **Power Consumption**: 5.8W
- **Power Input**: 12 – 48 VDC, redundant dual inputs
- **Fault Output**: 1 Relay Output

Mechanism
- **Dimensions (W x H x D)**: 30 x 140 x 95 mm (1.18” x 5.51” x 3.74”)
- **Enclosure**: IP30, Metal shell with solid mounting kits
- **Mounting**: DIN-rail, Wall

Protection
- **Power Reverse**: Present
- **Overload current**: Present

Features
- Provides 8 Gigabit Ethernet ports with Auto MDI/MDI-X
- Supports 10/100/1000 Mbps Auto Negotiation
- Supports jumbo frame transmission up to 10kbytes
- Provides Slim size, DIN-rail with IP30 metal mechanism
- Supports Redundant 12 – 48 VDC power input and P-Fail Relay

Environment
- **Operating Temperature**: -10 – 60°C (14 – 140°F)
- **Storage Temperature**: -40 – 75°C (-40 – 167°F) / (I model)
- **Storage Temperature**: -40 – 85°C (-40 – 185°F)
- **Operating Humidity**: 10 – 95% (non-condensing)
- **Storage Humidity**: 10 – 95% (non-condensing)
- **MTBF**: TBD

Certifications
- **Safety**: UL 60950
- **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

All product specifications are subject to change without notice. Last updated: 12-Feb-2018
**Dimensions**

Unit: mm [inch]

Panel Cut-out Dimensions: 30 x 140 x 95 mm (1.18" x 5.51" x 3.74")

**Ordering Information**

- **EKI-2728-CE** 8-port Gigabit Unmanaged Switch
- **EKI-2728I-CE** 8-port Gigabit Unmanaged Switch w/wide temp