Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

EKI-2728/I

8-port Gigabit Unmanaged Industrial Ethernet Switch

Features

- Provides 8 Gigabit Ethernet ports with Auto MDI/MDI-X
- Supports 10/100/1000Mbps Auto Negotiation
- Supports jumbo frame transmission up to 9kbytes
- Provides Slim size, DIN-rail with IP30 metal mechanism
- Supports Redundant 12 ~ 48 VDC power input and P-Fail Relay
- Provides broadcast storm protection
- Supports a wide temperature range: -40 ~ 75°C (EKI-2728I)

Introduction

The EKI-2728 supports Gigabit Ethernet. The power is a +12 ~ 48 V_{DC} redundant input design, and is secured with a double protection mechanism: Power Polarity Reverse Protect and an Overload Current Resetable Fuse. The former tolerates reverse power wiring while the later secures the system from overload currents. As the power supply turns normal, EKI-2728 will automatically get back to normal operation state. 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
- **Transmission Distance**   Up to 100m (4-wire Cat.5e, Cat.6 RJ-45 cable)
- **Transmission Speed**   Up to 1000 Mbps

Interface

- **Connectors**   8 x RJ-45
  6-pin removable screw terminal (power & relay)
- **LED Indicators**   P1, P2, P-Fail
  10/100/1000T(X): Link/Activity, Duplex/Collision

Power

- **Power Consumption**   Max. 5.28W
- **Power Input**   12 ~ 48 V_{DC}, redundant dual inputs
- **Fault Output**   1 Relay Output

Mechanism

- **Dimensions (W x H x D)**   37 x 140 x 95 mm
- **Enclosure**   IP30, Metal shell with solid mounting kits
- **Mounting**   DIN-rail, Wall

Protection

- **Power Reverse**   Present
- **Overload**   EKI-2728: 1.6 A @ 12 V_{DC} (Re-settable Fuse)

Environment

- **Operating Temperature**   -10 ~ 60°C (14 ~ 140°F)
- **Wide Temp. Model**   -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**   589,289 hrs

Certifications

- **Safety**   UL 60950-1, CAN/CSA-C22.2 No.60950
  Class I, Division 2 (EKI-2728)
- **EMC**   CE, FCC Class A
- **Shock**   IEC60068-2-27
- **Freefall**   IEC60068-2-32
- **Vibration**   IEC60068-2-6

Ordering Information

- **EKI-2728-BE**   8-port Gigabit Ethernet Switch
- **EKI-2728I-AE**   8-port Gigabit Ethernet Switch w/ Wide Temp.