

EKI-2728 / I

8-port Gigabit Unmanaged Industrial Ethernet Switch



Features

- Provides 8 Gigabit Ethernet ports with AutoMDI/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 12~48V_{DC} power input and P-Fail Relay

Introduction

The EKI-2728 supports Gigabit Ethernet. The power is a +12~48V 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** 10/100/1000 Base-T(X)
- **Transmission Distance** Upto 100m (4-wire Cat.5e, Cat.6 RJ45 cable)
- **Transmission Speed** Upto 1000Mbps

Interface

- **Connectors** 8x 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** 12~48V_{DC}, redundant dual inputs
- **Fault Output** 1 Relay Output

Mechanism

- **Dimensions (WxHxD)** 30x140x95mm (1.18"x5.51"x3.74")
- **Enclosure** IP30, Metal shell with solid mounting kits
- **Mounting** DIN-rail, Wall

Protection

- **Power Reverse** Present
- **Overload current** Present

Environment

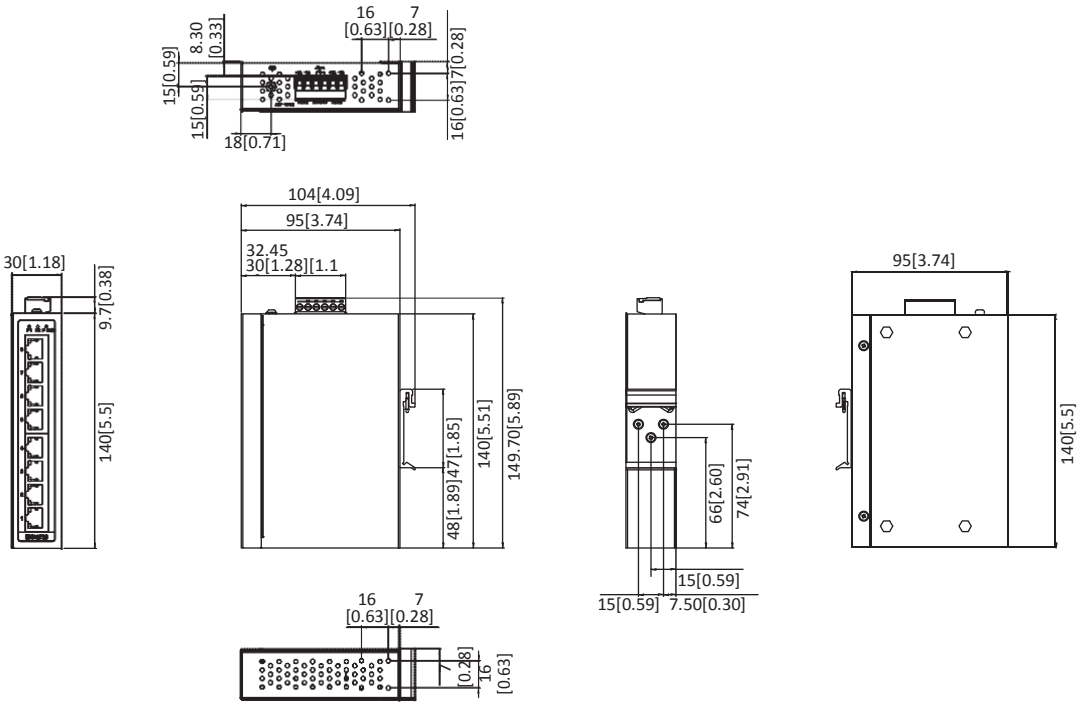
- **Operating Temperature** -10~60°C (14~140°F)
-40~75°C (-40~167°F) (I model)
- **Storage Temperature** -40~85°C (-40~185°F)
- **Operating Humidity** 10~95% (non-condensing)
- **Storage Humidity** 10~95% (non-condensing)
- **MTBF** TBD

Certifications

- **Safety** UL60950
- **EMI** CE, FCC Class A
- **EMS** EN61000-4-2
EN61000-4-3
EN61000-4-4
EN61000-4-5
EN61000-4-6
EN61000-4-8
- **Shock** IEC60068-2-27
- **Freefall** IEC60068-2-32
- **Vibration** IEC60068-2-6

Dimensions

Unit:mm[inch]



PanelCut-outDimensions:30x140x95mm(1.18"x5.51"x3.74")

Ordering Information

- EKI-2728-CE 8-portGigabitUnmanagedSwitch
- EKI-2728I-CE 8-portGigabitUnmanagedSwitchw/widetemp