

EKI-2725/I-CE

Industrial Unmanaged Gigabit Ethernet Switch

Overview

The EKI-2725 comes equipped with all the standard unmanaged switch features of the EKI family. Furthermore, it offers a +12~48 VDC redundant power input design, and is secured with a double protection mechanism; Power polarity Reverse Protect and an Overload Current Fuse; The former is using for protection against accidental reverse polarity and the latter is using for protection against excessive currents or current beyond the acceptable current rating of EKI-2725. Each port of EKI-2725 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, which makes troubleshooting quick and easy.

Packing List

Before installation, please make sure that you have received the following:

- 1 x EKI-2725/I Industrial Ethernet Switch
- 2 x Wall Mounting Bracket and 8 x Screws M3x5L
- 1 x DIN-rail Bracket and 3 x Screws M3x5L
- 1 x EKI-2725/I Startup Manual

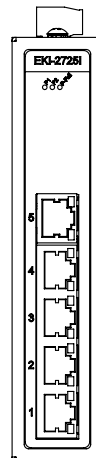
If anything is missing or damaged, contact your distributor or sales representative immediately.

Specifications

General

- **Compatibility:** IEEE 802.3, 802.3u, 802.3x, 802.3ab
- **LAN:** 4 x 10/100/1000Base-T(X)
- **Transmission Distance:**
 - Ethernet: Up to 100 m
- **Transmission Speed:** Up to 1000Mbps
- **Connectors:**
 - 5 x 10/100/1000Base-T/TX RJ-45 ports
- **LED Indicators:**
 - P1, P2, P-Fail
 - 10/100/1000T (X): Link/Activity, Duplex/Collision
- **Switch Architecture:** Store and Forward
- **Power Requirement:** 12 ~ 48 V_{DC}, redundant dual power inputs with reverse polarity protection.
- **Power Consumption:** 2.5 Watts
- **Dimensions (W x H x D):** 30 x 140 x 95 mm
- **Operating Temperature:**
 - EKI-2725: -10 ~ 60°C (14 ~ 140°F)
 - EKI-2725I: -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature:** -40 ~ 85°C (-40°F ~ 185°F)
- **Operating Humidity:** 10 ~ 95% (non-condensing)
- **Storage Humidity:** 10 ~ 95% (non-condensing)
- **Safety:** UL62368
- **EMC:** CE, FCC
- **Warranty:** 5 years

Overview



Notes

For more information on this and other Advantech products, please visit our websites at:

<http://www.advantech.com/products>

For technical support and service:

<http://www.advantech.com/support/>

This startup manual is for EKI-2725/I

Part No: 2002272521

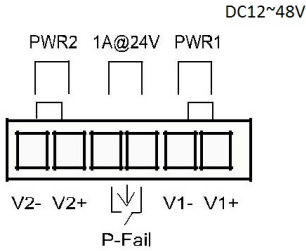
2nd Edition

Aug 2020

Power Connection

The EKI-2725 series switch supports dual +12 ~ 48V_{DC} power inputs and changes relay status when power failure occurs.

1. Insert the positive and negative wires into the V+ and V- contacts on the terminal block connector.
2. Tighten the wire-clamps screws to prevent the DC wires coming loose.



Warning: This product is intended to be supplied by an UL certified power supply or dc source suitable for use at minimum T_{ma} 75 °C whose output meets SELV or ES1 and is rated 12-48 V_{dc}, 1.5A min., if need further assistance, please contact Advantech for further information.

Warning: Ensure that the voltage of the power source is correct before connecting the equipment to a power outlet. The power outlet socket should have grounded connection.

Warning: Never open the equipment. For safety reasons, the equipment should be opened only by qualified skilled person.

Avertissement: Ce produit est destiné à être alimenté par une alimentation certifiée UL ou une source de courant continu adaptée à une utilisation à au moins T_{ma} 75 °C dont la sortie satisfait les conditions SELV ou ES1 et est évaluée à 12-48V_{dc}, 1.5A min-imum. Si vous avez besoin d'une aide supplémentaire, veuillez contacter Advantech pour plus d'informations.

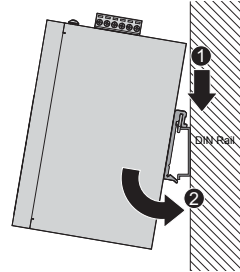
Avertissement: Assurez-vous que la tension de la source d'alimentation est correcte avant de connecter l'équipement à une prise de courant. La prise de courant doit avoir une prise de terre.

Avertissement: N'ouvrez jamais l'équipement. Pour des Raisons de sécurité, l'équipement ne doit être ouvert que par une personne qualifiée.

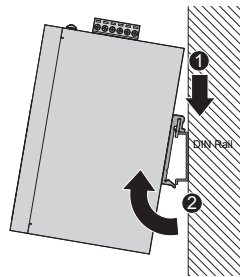
Mounting

DIN-rail Mounting

1. Installing the DIN-Rail Mounting Kit.



2. Removing the DIN-Rail.



Wall Mounting

1. Attach the brackets included to the switch with screws.
2. With the brackets attached, hang the switch to nails on the wall.

