

# EKI-3525M/3525S

## Industrial Unmanaged Fiber Optic Ethernet Switch

### Overview

The EKI-3525M/S are a new generation of products and have four 10/100 Mbps Ethernet ports, and one multi-mode or single-mode fiber-optic port. Using fiber-optics, you can prevent noise from interfering with your system and support high-speed (100 Mbps) and high-distance (up to 30 km) transmissions. A low power Ethernet design automatically adjusts power consumption by detecting the link status and cable length. Designed with one "VIP" port to get optimal bandwidth for media traffic through the VIP port users can experience better multimedia streaming performance through the prioritized bandwidth setting. The devices come with compact metal and plastic housing that is IP40 rated to protect against dusty industrial environments. The wide power input power (8.4 to 52.8 VDC) is dedicated to operating in areas of unstable power and rugged environments. It also provides an event alarm and in the event of a power failure and connection loop, the integrated LED will activate the alarm to notify administrators.

### Packing List

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

- 1 x EKI-3525M or EKI-3525S Industrial Unmanaged Fast Ethernet Switch
- 1 x Wall mounting bracket
- 1 x DIN-rail Mounting Bracket and Screws
- 1 x EKI-3525M or 3525S startup manual

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

### Notes

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

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

For technical support and service:

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

1st Edition

November 2013

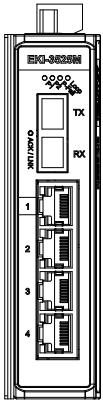
### Specifications

#### General

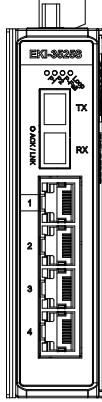
- Compatibility: IEEE 802.3, 802.3u, 802.3x, 802.3az, 802.1P
- LAN: 10/100Base-TX
- Ethernet RJ-45: Up to 100 m
- Optical Fiber
  - Multi-Mode (EKI-3525M)
    - Wavelength:1310nm
    - Tx Power: -14/-20 dBm
    - Rx Sensitivity: -31 dBm
    - Parameters: 50/125 um, 62.5/125 um
  - Single-Mode (EKI-3525S)
    - Wavelength: 1310 nm
    - Tx Power: -8/-15 dBm
    - Rx Sensitivity: -34 dBm
    - Parameters: 9/125 um
- Connectors: 4 x RJ45 ports + 1 x SC type fiber connector  
6-pin removable screw terminal (Power & Relay)
- Switch Architecture: Store and Forward
- Power Requirement: 12~48V<sub>DC</sub>, Redundant Power Input with reverse polarity protection.
- Power Consumption:1.5 Watts
- Dimensions (W x H x D): 27x120x85 mm
- Enclosure: IP40
- Operating Temperature: -10 ~ 60°C (14°F~140°F)
- Storage Temperature: -40 ~ 85°C (-40°F~185°F)
- Operating/Storage Humidity: 5%~95% (noncondensing)
- Safety: UL60950
- EMC: FCC Class A, CE
- Warranty: 5 years

## Overview

EKI-3525M



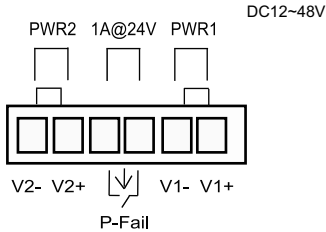
EKI-3525S



## Power Connection

The EKI-3525M/S series switch supports dual +12~48V<sub>DC</sub> power inputs

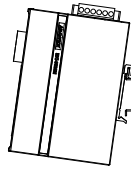
1. Insert the positive and negative wires into the V+ and V- contacts on the terminal block.
2. Tighten wire-clamps to prevent the DC wires from loosening.



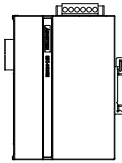
**Warning:** This is a Class A product. In domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

## Mounting

### DIN-rail Mounting

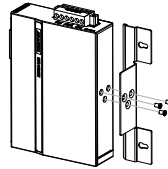


1. Hang the device to the DIN-rail.

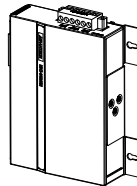


2. Hook the device over the DIN rail and let it drop down straight to slide over the rail smoothly.

### 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.