

EKI-2525P

5-port Unmanaged PoE Industrial Ethernet Switch

NEW



CE FCC UL

Features

- Provides 5 Fast Ethernet ports with 4 PoE ports with injector function
- Supports 10/100Mbps Auto Negotiation
- Provides broadcast storm protection
- Supports 4,000 VDC Ethernet ESD protection
- Provides surge (EFT) protection 3,000 VDC for power line
- Provides Slim size, DIN-rail/Wallmount with IP30 metal mechanism
- Supports Redundant 48 VDC power input and P-Fail Relay
- Supports operating temperatures from -10 ~ 60° C

Introduction

The EKI-2525P is a 5-port unmanaged PoE (Power-over-Ethernet) Industrial Ethernet switch, it supports 4 PoE ports which are classified as power source equipments (PSE). The EKI-2525P makes centralized power supply come true and provides up to 15.4 watts of power per port. The EKI-2525P can be used to power IEEE802.3af compliant powered devices (PD) by Ethernet cable and eliminates the need for additional power wiring. The EKI-2525P comes equipped with all the standard features of the EKI family. Furthermore, it offers a 48 VDC redundant power input design, and is secured with a double protection mechanism; Power Polarity Reverse Protect and an Overload Current Resettable Fuse. EKI-2525P 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, 802.3af
- **LAN** 10/100Base-TX
- **Transmission Distance** Up to 100 m
- **Transmission Speed** Up to 100 Mbps

Interface

- **Connectors** PoE Ports: 4 (Ports 1-4)
Ethernet Port Only: 1 (Port 5)
6-pin removable screw terminal (power & relay)
- **LED Indicators** P1, P2, P-Fail
10/100TX: Link/Activity, Duplex/Collision

Power

- **Power Consumption** 59.1 W (Full load with PoE)
- **Power Input** 2 x Unregulated 48 V_{DC}
- **Power Output** 15.4 W at 48V (per PoE port)
- **Fault Output** 1 Relay Output

Mechanism

- **Dimensions (WxHxD)** 37 x 140 x 95 mm
- **Enclosure** IP30, Metal shell with solid mounting kits
- **Mounting** DIN-rail, Panel

Protection

- **ESD (Ethernet)** 4,000 V_{DC}
- **Surge (EFT for power)** 3,000 V_{DC}
- **Reverse Polarity** Present
- **Overload** 3A@48 V_{DC} Resettable 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** 5 - 95% (non-condensing)
- **Storage Humidity** 0 - 95% (non-condensing)
- **MTBF** 440,132 hrs

Certifications

- **Safety** UL 60950-1, CAN/CSA-C22.2 No.60950
U.S.A.: FCC Part 15 CISPR 22
- **EMC** EU: EN55011, EN61000-6-4
EN55022 Class A,
EN61000-3-2/3
EN55024
IEC61000-4-2/3/4/5/6/8
EN61000-6-2
- **Shock** IEC60068-2-27
- **Freefall** IEC60068-2-32
- **Vibration** IEC60068-2-6

Ordering Information

- **EKI-2525P** 5-port Unmanaged PoE Industrial Ethernet Switch