EKI-2525P
EKI-2525PA
EKI-2526PI

5-port Industrial PoE Switch

5-port Industrial PoE Switch with 24/48 V$_{DC}$ Power Input

6-port Industrial PoE Switch with Wide Temperature

NEW

| EKI-2525P | EKI-2525PA | EKI-2526PI |

RoHS COMPLIANT 2002/95/EC CE FCC c UL us LISTED E180881 I.T.E.

Features

- Provides 5/6 Fast Ethernet ports with 4 PoE ports with injector function
- Supports 10/100Mbps Auto Negotiation
- Provides broadcast storm protection
- Supports Ethernet ESD protection
- Provides surge (EFT) protection 3,000 V$_{DC}$ for power line
- Provides Slim size, DIN-rail/Wallmount with IP30 metal mechanism
- Supports Redundant 48 V$_{DC}$ power input and P-Fail relay (EKI-2525P/EKI-2526PI)
- Supports Redundant 24/48 V$_{DC}$ power input and P-Fail Relay (EKI-2525PA)
- Supports operating temperatures from -10 ~ 60° C (EKI-2525P/EKI-2525PA)
- Supports wide operating temperature -40 ~ 75° C (EKI-2526PI)

Introduction

The EKI-2525P/EKI-2525PA is a 5-port unmanaged PoE (Power-over-Ethernet) Industrial Ethernet switch and EKI-2526PI is a 6-port unmanaged PoE Industrial Ethernet switch, they support 4 PoE ports which are classified as power source equipments (PSE). The PoE devoces makes centralized power supply come true and provides up to 15.4 watts of power per port. Advantech EKI PoE devices can be used to power IEEE802.3af compliant powered devices (PD) by Ethernet cable and eliminates the need for additional power wiring. Advantech EKI PoE devices come equipped with all the standard features of the EKI family. Furthermore, it offers a 48 V$_{DC}$ redundant power input design (EKI-2525P/EKI-2526PI) and 24/48 V$_{DC}$ redundant power input design (EKI-2525PA), and is secured with a double protection mechanism; Power Polarity Reverse Protect and an Overload Current Resettable Fuse. Advantech EKI PoE devices come 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 x1 (EKI-2525P/EKI-2525PA)
  Ethernet x2 (EKI-2526PI)
  6-pin removable screw terminal (power & relay)
- **LED Indicators** — P1, P2, P-Fail
  10/100TX: Link/Activity, Duplex/Collision

Power

- **Power Consumption** — EKI-2525P: 65 W (Full load PoE)
  EKI-2525PA: 62.5 W (Full load PoE)
  EKI-2526PI: 62.6 W (Full load PoE)
- **Power Input** — 48 V$_{DC}$ (EKI-2525P/EKI-2526PI), redundant dual inputs
  24/48 V$_{DC}$ (EKI-2525PA), redundant dual inputs
- **Power Output** — 15.4 W at 48V (per PoE port)
- **Fault Output** — 1 Relay Output

Mechanism

- **Dimensions (W x H x D)** — 37 x 140 x 95 mm (EKI-2525P)
  48.6 x 140 x 95 mm (EKI-2525PA/EKI-2526PI)
- **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** — EKI-2525P: 3 A @ 48 V$_{DC}$
  EKI-2525PA: 5 A @ 24/48 V$_{DC}$
  EKI-2526PI: 3.5 A @ 48 V$_{DC}$

Environment

- **Operating Temperature** — -10 ~ 60° C (14 ~ 140° F) (EKI-2525P/EKI-2525PA)
  Wide temp. model — -40 ~ 75° C (-40 ~ 167° F) (EKI-2526PI)
- **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
- **EMC** — U.S.A.: FCC Part 15 CISPR 22
  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 PoE Switch
- **EKI-2525PA** — 5-port PoE Switch 24/48 V$_{DC}$ Power Input
- **EKI-2526PI** — 6-port PoE Switch w/ Wide Temp