

## Introduction

The EKI-2525PA and EKI-2528PAI are 5/8-port unmanaged PoE industrial Ethernet switches with 4 PoE ports classified as power source equipment. These PoE switches realize a centralized power supply, providing up to 15.4 W of power per port. Advantech EKI PoE switches can be implemented to power IEEE 802 .3af-compliant powered devices via Ethernet cable, thus eliminating the need for additional wiring. Advantech EKI PoE switches come equipped with all the standard features of the EKI family. Furthermore, they offer a 24/48 VDC redundant power input design and are secured with a double protection mechanism: power polarity reverse protect and an overload current resettable fuse. Advantech EKI PoE devices come with an IP30-rated compact metal housing to protect against dust in industrial environments.

## Specifications

## Communications

- Standard
- LAN
- Transmission Distance
- Transmission Speed


## Interface

- Connectors
- LED Indicators


## Power

- Power Consumption
- Power Input
- Power Output
- Fault Output


## Mechanism

- Dimensions (W x H x D) $48.6 \times 140 \times 95 \mathrm{~mm}\left(1.91\right.$ " $\left.\times 5.51^{\prime \prime} \times 3.74^{\prime \prime}\right)$
- Enclosure IP30, Metal shell with solid mounting kits
- Mounting

IEEE 802.3, 802.3u, 802.3x, 802.3af
10/100BASE-TX
Up to 100 m
Up to 100 Mbps

PoE Ports: 4 (Ports $1 \sim 4$ )
Ethernet ports: 1 (Port 5 ~ Port 8), EKI-2525PA Ethernet ports: 4 (Port 5 ~ Port 8), EKI-2528PAI 6 -pin removable screw terminal (power \& relay) P1, P2, P-Fail
10/100TX: Link/Activity, Duplex/Collision

EKI-2525PA: 62.5 W (Full load PoE) EKI-2528PAl: 65 W (Full load PoE)
$24 / 48 \mathrm{~V}$ Dc, redundant dual inputs
15.4 W at 48 V (per PoE port)

1 Relay Output

## Protection

- Reverse Polarity Present
- Overload current Present


## Environment

- Operating Temperature $-10 \sim 60^{\circ} \mathrm{C}\left(14 \sim 140^{\circ} \mathrm{F}\right)$ (EKI-2525PA) Wide temp. model $\quad-40 \sim 75^{\circ} \mathrm{C}\left(-40 \sim 167^{\circ} \mathrm{F}\right)$ (EKI-2528PAI)
- Storage Temperature $-40 \sim 85^{\circ} \mathrm{C}\left(-40 \sim 185^{\circ} \mathrm{F}\right)$
- Operating Humidity $5 \sim 95 \%$ (non-condensing)
- Storage Humidity $0 \sim 95 \%$ (non-condensing)
- MTBF

EKI-2525PA: 196,813 hours
EKI-2528PAI: 241,413 hours

## Certification

- Safety UL508
- EMI FCC Part 15 Subpart B Class A, EN 55022 Class A
- EMS EN 61000-4-2

EN 61000-4-3
EN 61000-4-4
EN 61000-4-5
EN 61000-4-6
EN 61000-4-8

- Shock
- Freefall
- Vibration
- Patent

IEC 60068-2-27
IEC 60068-2-32
IEC 60068-2-6
http://www.advantech.com/legal/patent

## Dimensions

Unit: mm [inch]
EKI-2525PA


Panel Cut-out Dimensions: $104 \times 140 \times 48.6 \mathrm{~mm}(4.1 " \times 5.52 " \times 1.91$ ")

EKI-2528PAI


Panel Cut-out Dimensions: $104 \times 140 \times 48.6$ mm (4.1" x 5.52 " x 1.91 ")

## Ordering Information

