EKI-2525PA EKI-2528PAI

5-Port Industrial PoE Switch with 24/48 V_{DC} Power Input

8-Port Industrial PoE Switch with 24/48 V_{DC} Power Input and Wide Temperature



Features

- 5/8 x fast Ethernet ports with 4 x PoE ports with injector function
- Supports 10/100 Mbps auto negotiation
- Provides broadcast storm protection
- Ethernet ESD protection
- Power line EFT protection
- Slim size, DIN rail/wall mount options
- IP30-rated enclosure
- Redundant 24/48 V_{DC} power input and P-Fail relay
- Operating temperatures of -10 to 60°C (EKI-2525PA) and -40 ~ 75°C (EKI-2528PAI)

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
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 ports: 1 (Port 5 ~ Port 8), EKI-2525PA Ethernet ports: 4 (Port 5 ~ Port 8), EKI-2528PAI 6-pin removable screw terminal (power & relay)

• LED Indicators P1, P2, P-Fail

10/100TX: Link/Activity, Duplex/Collision

Power

■ **Power Consumption** EKI-2525PA: 62.5 W (Full load PoE)

EKI-2528PAI: 65 W (Full load PoE) 24/48 V_{DC}, redundant dual inputs 15.4 W at 48 V (per PoE port)

• Fault Output 1 Relay Output

Mechanism

Power Input

Power Output

Dimensions (W x H x D) 48.6 x 140 x 95 mm (1.91" x 5.51" x 3.74")
Enclosure IP30, Metal shell with solid mounting kits

Mounting DIN-rail, Wall

Protection

Reverse Polarity PresentOverload current Present

Environment

Operating Temperature -10 ~ 60°C (14 ~ 140°F) (EKI-2525PA)
Wide temp. model -40 ~ 75°C (-40 ~ 167°F) (EKI-2528PAI)

Storage Temperature
Operating Humidity
Storage Humidity
MTBF
CHO = 40 ~ 85°C (-40 ~ 185°F)
5 ~ 95% (non-condensing)
0 ~ 95% (non-condensing)
EKI-2525PA: 196,813 hours
EKI-2528PAI: 241,413 hours

Certification

• Safety UL508

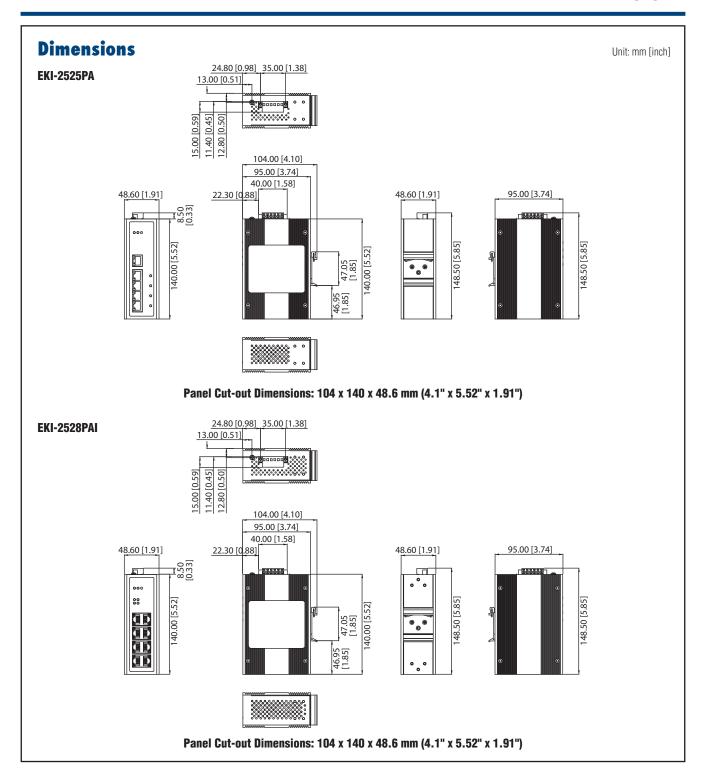
• EMI FCC Part 15 Subpart B Class A, EN 55022 Class A

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 IEC 60068-2-27

Shock IEC 60068-2-27
Freefall IEC 60068-2-32
Vibration IEC 60068-2-6

Patent http://www.advantech.com/legal/patent



Ordering Information

■ **EKI-2525PA** 5-port Switch with 4 port-PoE and 24/48 V_{DC} Power

Input

■ **EKI-2528PAI** 8-port Switch with 4 port-PoE and 24/48 V_{DC} Power

Input (Wide Temp)