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

NEW

EKI-2525PA   EKI-2528PAI

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

Features

- Provides 5/8 Fast Ethernet ports with 4 PoE ports with injector function
- Supports 10/100Mbps Auto Negotiation
- Provides broadcast storm protection
- Supports Ethernet ESD protection
- Provides power line EFT protection
- Provides Slim size, DIN-rail/Wallmount with IP30 metal mechanism
- Supports Redundant 24/48 V$_{DC}$ power input and P-Fail Relay
- Supports operating temperatures from -10 ~ 60° C (EKI-2525PA)
- Supports wide operating temperature -40 ~ 75° C (EKI-2528PAI)

Introduction

The EKI-2525PA and EKI-2528PAI are a 5/8-port unmanaged PoE (Power-over-Ethernet) Industrial Ethernet switches that supports 4 PoE ports which are classified as power source equipment (PSE). These PoE devices make centralized power supply possible and provide up to 15.4 watts of power per port. Advantech EKI PoE devices can be used to power IEEE802.3af compliant powered devices (PD) through Ethernet cable and eliminate the need for additional power wiring. Advantech EKI PoE devices come equipped with all the standard features of the EKI family. Furthermore, they offer a 24/48 VDC redundant power input design 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-T(X)
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)
Power Input	24/48 V$_{DC}$, 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)	48.6 x 140 x 95 mm
Enclosure	IP30, Metal shell with solid mounting kits
Mounting	DIN-rail, Panel

Protection

Reverse Polarity	Present
Overload	5 A @ 24/48 V$_{DC}$

Environment

Operating Temperature	-10 ~ 60° C (14 ~ 140° F) (EKI-2525PA)
Wide temp. model	-40 ~ 75° C (-40 ~ 167° F) (EKI-2528PAI)
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(EKI-2525PAI)
	UL508(EKI-2528PAI)
EMC	U.S.A.: FCC Part 15 CISPR 22
	EU: EN55011, EN61000-6-4
	EN55022 Class A,
	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-2525PA	5-port PoE Switch 24/48 V$_{DC}$ Power Input
EKI-2528PAI	8-port PoE Switch 24/48 V$_{DC}$ Power Input, Wide Temp