VS-2525PA
5-Port Industrial 24/48 V_{DC} PoE Switch plus PowerView Software

VS-2528PAI
8-Port Industrial 24/48 V_{DC} PoE Switch with Wide Temperature Range Plus PowerView Software

EKI-2525PA   EKI-2528PAI

Features

- Provides 5/8 Fast Ethernet ports with 4 PoE ports with injector function
- Supports 10/100 Mbps Auto Negotiation
- Provides broadcast storm protection
- Supports Ethernet ESD protection
- Provides power line EFT protection
- Provides slim size, DIN-rail/Wall mount with IP30 metal mechanism
- Supports Redundant 24/48 V_{DC} power input and P-Fail Relay
- Supports operating temperatures from -10 to 60°C (EKI-2525PA)
- Supports wide operating temperature -40 ~ 75°C (EKI-2528PAI)
- Bundled with PowerView tribrid (SD CCTV, HD-SDI, IP) recording & CMS software

Introduction

VS-2525PA and VS-2528PAI are a combination of Advantech EKI-2525PA and EKI-2528PAI industrial switches plus PowerView recording & CMS software. EKI-2525PA and EKI-2528PAI are 5/8-port unmanaged PoE (Power-over-Ethernet) Industrial Ethernet switches that support 4 PoE ports and are classified as power source equipment (PSE). These PoE devices make a centralized power supply possible and provide up to 15.4 watts of power per port. Advantech EKI PoE devices can be used to power IEEE 802.3af compliant powered devices (PD) through an 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. They also offer a 24/48 V DC redundant power input design secured with a double protection mechanism; Power Polarity Reverse Protect and an Overload Current Resettable Fuse. Advantech EKI PoE devices come with IP30-rated, compact metal housing for protection from dust in 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 48 V (per PoE port)
- **Fault Output** 1 Relay Output

Mechanism
- **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** Yes
- **Overload current** Yes

Environment
- **Operating Temperature** -10 ~ 60°C (14 ~ 140°F) (EKI-2525PA)
  -40 ~ 75°C (-40 ~ 167°F) (EKI-2528PAI only)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)
- **MTBF** 440,132 hours

Certifications
- **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** IEC 60068-2-27
- **Freefall** IEC 60068-2-32
- **Vibration** IEC 60068-2-6

Ordering Information

- **VS-2525PA-AE** 5-port Switch with 4 port-PoE and 24/48 V_{DC} Power Input Plus PowerView Software
- **VS-2528PAI-AE** 8-port Switch with 4 port-PoE and 24/48 V_{DC} Power Input (Wide Temp) Plus PowerView Software