EKI-5729P EKI-5729PI

8 GE with PoE + 2GE Industry Ethernet **Proview PoE Switch**



Features

- Full Gigabit Ethernet ports and comply with IEEE
- 802.3af/at PoE standard
- Communicates with SCADA software via Modbus/TCP
- Communicates with NMS (Networking management system) via SNMP
- Port-based QoS for deterministic data transmission
- -40 to 65°C operating temperature range (EKI-5729PI)
- · EMS level 3 protection for extreme outdoor environments
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- Provides 5/6 Fast Ethernet ports with 8 PoE ports
- Jumbo Frame Support (Up to 9,216 Bytes)
- Supports redundant 12V~24V (9V ~ 36V) power input and P-Fail relay
- Loop detection

Introduction

The EKI-5729P and EKI-5729PI switches support Power-over-Ethernet on ports 1 to 8. The switch is classified as power source equipment (PSE). Also it is the world's first convergence switches for process control and IT networking management. This series uses Modbus/TCP to communicate with the SCADA software and SNMP to communicate with the NMS (Networking Management System) at the same time, thereby allowing full read control over the devices either for control engineers or for IT. The devices come with the Port-based QoS for deterministic data transmission allows the priority ports to prioritize the traffic coming over those ports and delay the less immediately necessary data over the remaining ports. The switches use the highest quality components, to enable the range to operate in temperatures of between -40 and 75°C along with EMS Level 3 protection to repel electromagnetic interface for industrial resistance. The switches are compliant E-mark for in-vehicle application and surveillance system.

€13 C € FCC

Specifications

Communications

| Standard | l |
|------------------------------|---|
|------------------------------|---|

LAN

| | IEEE 802.3af/at, 802.3, 802.3u, 802.3a |
|---|--|
| | 802.3x, 802.1p |
| | 10/100/1000Base-T(X) |
| e | Un to 100 m |

8 x 10/100/1000 BaseT(X) with PoE + 2 x 10/100/1000

6-pin removable screw terminal (power & relay)

10/100/1000Base T(X): LNK /ACT, Speed, PoE port

Metal / Aluminum Shell with solid mounting kits

- Transmission Distance Up to 100 m • Transmission Speed Up to 1000 Mbps

Interface

Connectors

LED Indicators

- System LED
- Port LED status
- **Physical**
- Enclosure
- Protection Class
- IP30 DIN-Rail and Wall-Mount Installation
- Dimensions (W x H x D) 74 x 152 x 105 mm (2.913 x 5.984 x 4.137) inch

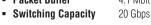
P1, P2, P-Fail, Loop, PoE

BaseT(X)

Environment

| Operating Temperature | Wide Temp Models: -40 to 75° C (-40 to 167°F) Standard Models: -25 to 60° C (-4 to 140°F) | |
|---|--|--|
| Storage Temperature | -40 ~ 85°C (-40 ~ 185°F) | |
| Relative Humidity | 10 ~ 95% (non-condensing) | |
| Switch Properties | | |

| • | MAC Address | 8K entries |
|---|---------------|------------|
| • | Packet Buffer | 4.1 Mbit |
| | | |



| | Power |
|---------------|-------------------|
| 3ab. 802.3az. | Power Consumption |

| Power consumption | ow (Systern) |
|---------------------------------------|--------------------|
| Power Input | 12-24 Vdc, (7A-3A) |
| Power Budget | 60w @ 24v |
| | 50w @ 12v |

Certification

| • | Safety | IEC/EN 60950, UL61010-2-201, e-Mark Comply with *Class 1 Division 2, * IECEx, *ATEX |
|---|-----------|---|
| | EMC | CE, FCC, e-Mark |
| | EMI | EN 55011/ 55022 Class A, EN 61000-6-4, |
| | | FCC Part 15 Subpart B Class A |
| | EMS | EN 55024/ EN 61000-6-2 |
| | | EN 61000-4-2 (ESD) Level 3 |
| | | EN 61000-4-3 (RS) Level 3; |
| | | EN 61000-4-4 (EFT) Level 3 |
| | | EN 61000-4-5 (Surge) Level 3; |
| | | EN 61000-4-6 (CS) Level 3 |
| | | EN 61000-4-8 (Magnetic Field) Level 3 |
| | Shock | IEC 60068-2-27 |
| | Freefall | IEC 60068-2-32 |
| | Vibration | IEC 60068-2-6 |
| | | |

Guy (Cylotom)

Ordering Information

EKI-5729P

EKI-5729PI

8 x 10/100/1000BaseT(X) with PoE + 2GE , -25 to 60°C operating temperature 8 x 10/100/1000BaseT(X) with PoE + 2GE, -40 to 65°C operating temperature

ADVANTECH Industrial Ethernet Soultions

All product specifications are subject to change without notice

EKI-5729P/PI

