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.

Power

(E13) C € FCC

Specifications

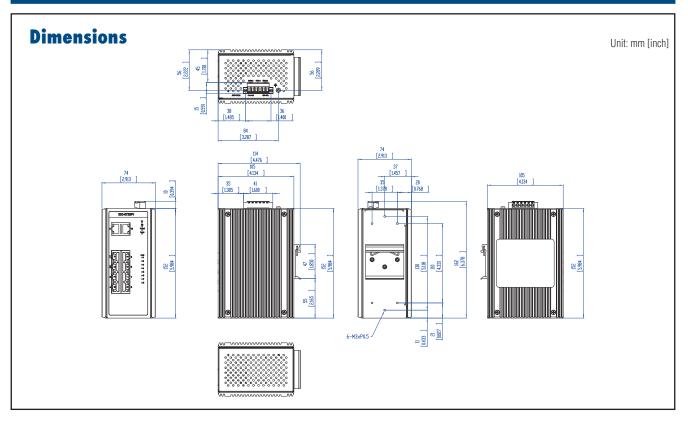
Communications

 Standard LAN Transmission Distance Transmission Speed 	IEEE 802.3af/at, 802.3, 802.3u, 802.3ab, 802.3az, 802.3x, 802.1p 10/100/1000Base-T(X) Up to 100 m Up to 1000 Mbps	 Power Consumption Power Input Power Budget 	6w (System) 12-24 Vdc, (7A-3A) 60w @ 24v 50w @ 12v
- mansinission speed		Certification	
Interface Connectors	8 x 10/100/1000 BaseT(X) with PoE + 2 x 10/100/1000 BaseT(X) 6-pin removable screw terminal (power & relay)	 Safety EMC EMI 	IEC/EN 60950, UL61010-2-201, e-Mark Comply with *Class 1 Division 2, * IECEx, *ATEX CE, FCC, e-Mark EN 55011/ 55022 Class A, EN 61000-6-4.
LED Indicators System LED Port LED status 	P1, P2, P-Fail, Loop, PoE 10/100/1000Base T(X): LNK /ACT, Speed, PoE port	• EMS	FCC Part 15 Subpart B Class A EN 55024/ EN 61000-6-2 EN 61000-4-2 (ESD) Level 3
Physical Enclosure Protection Class Installation Dimensions (W x H x D) 	Metal / Aluminum Shell with solid mounting kits IP30 DIN-Rail and Wall-Mount) 74 x 152 x 105 mm (2.913 x 5.984 x 4.137) inch	• Shock • Freefall	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 IEC 60068-2-27 IEC 60068-2-32
Environment - Operating Temperature - Storage Temperature - Relative Humidity	Wide Temp Models: -40 to 75° C (-40 to 167°F) Standard Models: -25 to 60° C (-4 to 140°F) -40 ~ 85°C (-40 ~ 185°F) 10 ~ 95% (non-condensing)	VibrationPatent	IEC 60068-2-6 http://www.advantech.com/legal/patent

•	MAC Address	8K entries
•	Packet Buffer	4.1 Mbit
•	Switching Capacity	20 Gbps

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EKI-5729P/PI



Ordering Information

- EKI-5729P
- EKI-5729PI
- $8 \ x \ 10/100/1000 BaseT(X)$ with PoE + 2GE , -25 to 60°C operating temperature
- 8 x 10/100/1000BaseT(X) with PoE + 2GE , -40 to 65°C operating temperature