EKI-5729F/FI 8-Port+2 SFP Gigabit Ethernet ProView Switch



Features

- Communicates with SCADA software via Modbus/TCP
- Communicates with NMS (Networking management system) via SNMP .
- · Port-based QoS for deterministic data transmission
- Wide operating temperature range of -40 ~ 75°C (EKI-5729FI only) •
- Wide range power input of 12 ~ 48 V_{DC} (8.4 ~ 52.8 V_{DC})
- · EMS Level 3 protection for extreme outdoor environments
- IEEE 802.3az Energy-Efficient Ethernet
- Jumbo frame support (up to 9,216 Bytes)
- Supports redundant 12 ~ 48 V_{DC} power input and P-Fail relay
- Loop detection

Introduction

The EKI-5729F and EKI-5729FI are the world's first convergence switches for process control and IT networking management. This line of switches use Modbus/TCP to communicate with SCADA software and SNMP to communicate with NMS simultaneously, thereby enabling full read control over devices for control engineers and IT personnel. They come with the port-based QoS for deterministic data transmission, allowing specific ports to prioritize traffic while delaying less important data via the remaining ports. The series use the highest quality components and has a wide operating temperature range of -40 ~ 75°C (EKI-5729FI only) along with EMS Level 3 protection to protect against electromagnetic interference.

Drotoction

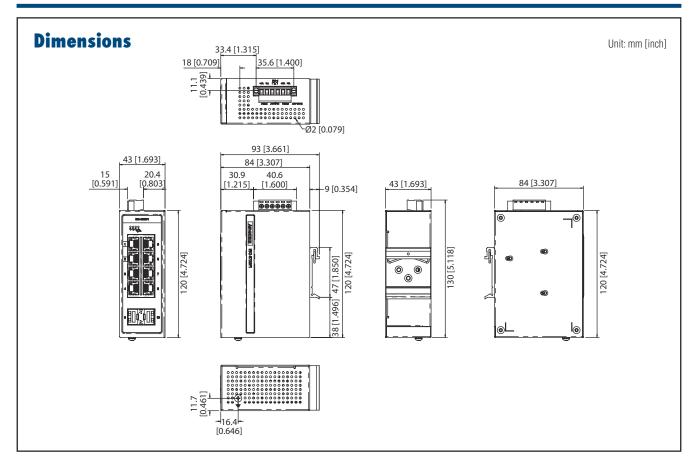
Specifications

Communications

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StandardLAN	IEEE 802.3, 802.3u, 802.3x, 802.1p, 802.3az, 802.3ab 10/100/1000BASE-TX, optional 100BASE-FX, 1000BASE-SX/LX/LHX/XD/ZX/EZX		Reverse Polarity Overload Current	Present Present
 Transmission Distance 	Ethernet: UP to 100 m (4-wire Cat.5e, Cat.6 RJ-45 cable suggested for Gigabit port) SFP: UP to 110 km (depends on SFP)		nvironment Operating Temperature	EKI-5729F: -10 ~ 60°C (14 ~ 140°F)
 Transmission Speed 	Ethernet: 10/100/1000 Mbps Auto-Negotiation Gigabit Copper: 10/100/1000 Mbps, Auto-Negotiation Gigabit Fiber: UP to 1000 Mbps		Storage Temperature Operating Humidity	EKI-5729FI: -40 ~ 75°C (-40 ~ 167°F) -40 ~ 85°C (-40 ~ 185°F) 10 ~ 95% (non-condensing)
Interface			Storage Humidity	10 ~ 95% (non-condensing)
 Connectors 	8 x BJ45		MTBF	3,858,286 hours
	2 x SFP ports 6-pin removable screw terminal (power & relay)	C	ertification	
 LED Indicators 	P1, P2, P-Fail, Loop detection 10/100/1000T(X): Link/Activity, Speed SFP: Link/Activity		Safety	IEC/EN 60950-1, UL508, Class 1 Division 2, IECEx, ATEX, e-Mark
Switch Properties			EMC	CE, FCC, e-Mark
 MAC Table Size 	8K		EMI	EN 55011/55022 Class A, EN 61000-6-4, FCC Part 15
 Packet Buffer Size 	4.1M bit	_	EMO	Subpart B Class A
 Switching Capacity 	20 Gbps		EMS	EN 61000-4-2 (Level 3) EN 61000-4-3 (Level 3)
 Jumbo Frame 	9216 bytes			EN 61000-4-4 (Level 3)
_				EN 61000-4-5 (Level 3)
Power				EN 61000-4-6 (Level 3)
 Power Consumption 	Max. 6.8 W			EN 61000-4-8 (Level 3)
 Power Input 	$12 \sim 48 V_{DC} (8.4 \sim 52.8 V_{DC})$, redundant dual inputs		Shock	IEC 60068-2-27
 Fault Output 	1 Relay Output		Freefall	IEC 60068-2-32
Mechanism			Vibration	IEC 60068-2-6
 Dimensions (W x H x D) 43 x 120 x 84 mm 				

- Enclosure IP30, metal shell with solid mounting kits DIN-Rail. Wall
- Mounting

EKI-5729F/FI



Ordering Information

- EKI-5729F
- EKI-5729FI

8-port+2 SFP Gigabit Ethernet ProView Switch 8-port+2 SFP Gigabit Ethernet ProView Switch with Wide Operating Temperature Range