EKI-5726F/FI

16-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
- -40~75°C operating temperature range (EKI-5726FI only)
- 12~48 V_{DC} (8.4~52.8 V_{DC}) wide-range power input
- EMS level 3 protection for extreme outdoor environments
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- Jumbo Frame Support (Up to 9,216 Bytes)
- Supports redundant 12~48V_{DC} power input and P-Fail relay
- Loop detection

Introduction

The EKI-5726F/FI are 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. EKI-5726F/FI switches use the highest guality 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.

Specifications

Communications

•	Standard LAN Transmission Distance Transmission Speed	IEEE 802.3, 802.3u, 802.3x, 802.1p, 802.3az, 802.3ab 10/100/1000Base-T(X), Optional 100Base-FX, 1000Base-SX/LX/LHX/XD/ZX/EZX 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) Ethernet: 10/100/1000 Mbps Auto-Negotiation Gigabit Copper: 10/100/1000 Mbps, Auto-Negotiation Gigabit Fiber: UP to 1000 Mbps		
Interface				
	Connectors LED Indicators	16 x RJ45 2 x SFP ports 6-pin removable screw terminal (power & relay) P1, P2, P-Fail, Loop detection		
-	LED MUIGATOIS	10/100/1000T(X): Link/Activity, Speed SFP: Link/Activity		
Switch Properties				
•	MAC Table Size Packet Buffer Size Switching Capacity Jumbo Frame	8K 4.1M bit 36 Gbps 9216 bytes		
•	ower Power Consumption Power Input Fault Output	Max. 9.6W 12~48 V_{DC} (8.4~52.8 V_{DC}), redundant dual inputs 1 Relay Output		

Mechanism

- Dimensions (W x H x D) 74 x 120 x 84 mm
- Enclosure IP30, metal shell with solid mounting kits DIN-Rail, Wall
- Mounting

Protection

Reverse Polarity	Present
Overload Current	Present

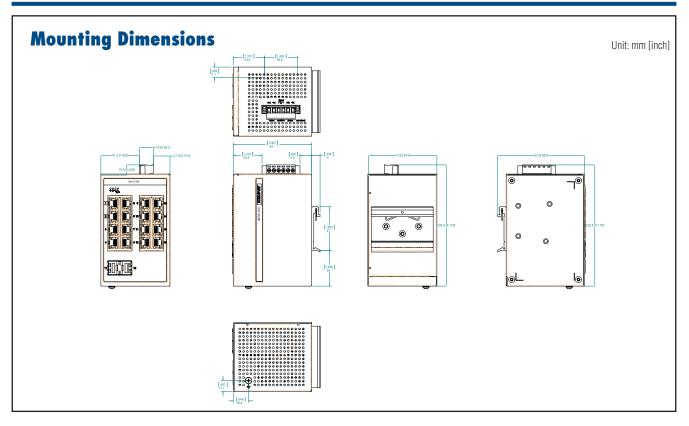
Environment

- Operating Temperature EKI-5726F: -10~60°C (14~140°F)
 - EKI-5726FI: -40~75°C (-40~167°F) -40 ~ 85°C (-40 ~ 185°F)
- Storage Temperature
- Operating Humidity 10 ~ 95% (non-condensing)
- Storage Humidity MTBF
- 10 ~ 95% (non-condensing) 1,962,789 hours

Certification

 Safety 	IEC/EN 60950-1, UL508, Class 1 Division 2, ATEX,
	IECEx
= EMC	CE, FCC
= EMI	EN 55011/55022 Class A, EN 61000-6-4, FCC Part 15
	Subpart B Class A
EMS	EN 61000-4-2 (Level 3)
	EN 61000-4-3 (Level 3)
	EN 61000-4-4 (Level 3)
	EN 61000-4-5 (Level 3)
	EN 61000-4-6 (Level 3)
	EN 61000-4-8 (Level 3)
 Shock 	IEC 60068-2-27
 Freefall 	IEC 60068-2-32
 Vibration 	IEC 60068-2-6

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Ordering Information

- EKI-5726F
- EKI-5726FI
- 16-port+2 SFP Gigabit Ethernet ProView Switch 16-port+2 SFP Gigabit Ethernet ProView Switch with Wide Operating Temperature Range