# EKI-5629CI EKI-5626CI

## 8FE + 2GE Combo Ethernet ProView Switch

16FE + 2GE Combo 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
- · EMS level 3 protection for extreme outdoor environments
- 12 ~ 48 V<sub>DC</sub> (8.4 ~ 52.8 V<sub>DC</sub>)wide-range power input
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- Jumbo Frame Support (Up to 9,216 Bytes)
- Supports redundant 12 ~ 48 V<sub>DC</sub> power input and P-Fail relay
- Loop detection

## Introduction

The EKI-5629CI and EKI-5626CI 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. EKI-5629CI and EKI-5626CI 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.

## **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 100m (4-wire Cat.5e, Cat.6 RJ-45 cable suggested for Gigabit port) SFP: UP to 110km (depends on SFP) Ethernet: 10/100Mbps Auto-Negotiation Circlebit Compare 10/100/1000Mbps Auto Negotiation
		Gigabit Copper: 10/100/1000Mbps, Auto-Negotiation Gigabit Fiber: UP to 1000Mbps
Interface		
•	Connectors	EKI-5629CI: 8 x Fast Ethernet (RJ45) + 2 x Giga (RJ45/ SFP) combo ports EKI-5626CI:16 x Fast Ethernet (RJ45) + 2 x Giga (RJ45/SFP) combo ports
•	LED Indicators	6-pin removable screw terminal (power & relay) P1, P2, P-Fail, Loop detection 10/100T(X): Link/Activity, Speed Gigabit Copper: Link/Activity, Speed (1000 Mbps) SFP. Lin k/Activity

#### **Switch Properties**

- MAC Table Size
- Packet Buffer Size
- Switch Capacity
- Jumbo Frame

#### Power

- Power Consumption
- Power Input
- Fault Output

#### Mechanism

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

#### Protection

 Reverse Polarity Present Overload Current Present

#### Environment

- .
- **Operating Humidity** 10 ~ 95% (non-condensing)
- Storage Humidity
- . MTBF
- FKI-5629CI: 3 183 604 hours EKI-5626CI: 2,825,281 hours

10 ~ 95% (non-condensing)

#### Certification

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Safetv UL508. Class 1 Division 2. ATEX EMI CE/FCC EN 61000-4-2 (Level 3) EN 61000-4-3 (Level 3) EMS EN 61000-4-4 (Level 3) EN 61000-4-5 (Level 3) EN 61000-4-6 (Level 3) EN 61000-4-8 (Level 3) IEC 60068-2-27 Shock Freefall IEC 60068-2-32 IEC 60068-2-6 Vibration

## **Ordering Information**

- EKI-5629CI-AE
- EKI-5626CI-AE
- 8FE + 2GE Combo Ethernet ProView Switch with Wide Temperature
- 16FE + 2GE Combo Ethernet ProView Switch with Wide Temperature

8K

4.1M bit

9216 bytes

EKI-5629CI: 5.6 Gbps

EKI-5626CI: 7.2 Gbps

EKI-5629CI: 5.8W

EKI-5626CI: 8.2W

1 Relay Output

12 ~ 48 V<sub>DC</sub> (8.4 ~ 52.8 V<sub>DC</sub>), redundant dual inputs

## EKI-5629CI & EKI-5626CI

