# 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-5629Cl and EKI-5626Cl 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**

IEEE 802.3, 802.3u, 802.3x, 802.1p, 802.3az , 802.3ab Standard LAN 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 Transmission Distance

suggested for Gigabit port) SFP: UP to 110km (depends on SFP)

 Transmission Speed Ethernet: 10/100Mbps Auto-Negotiation Gigabit Copper: 10/100/1000Mbps, Auto-Negotiation

Gigabit Fiber: UP to 1000Mbps

#### Interface

EKI-5629CI: 8 x Fast Ethernet (RJ45) + 2 x Giga (RJ45/ Connectors

SFP) combo ports

EKI-5626CI:16 x Fast Ethernet (RJ45) + 2 x Giga

(RJ45/SFP) combo ports

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**

LED Indicators

**MAC Table Size** 8K 4.1M bit Packet Buffer Size **Switch Capacity** EKI-5629CI: 5.6 Gbps EKI-5626CI: 7.2 Gbps Jumbo Frame 9216 bytes

#### Power

 Power Consumption EKI-5629CI: 5.8W EKI-5626CI: 8.2W

 Power Innut  $12 \sim 48 \text{ V}_{DC}$  (8.4 ~ 52.8 V<sub>DC</sub>), redundant dual inputs Fault Output 1 Relay Output

Mechanism

**Dimensions (W x H x D)** 74 x 120 x 84 mm

IP30, metal shell with solid mounting kits Enclosure

Mounting DIN-Rail, Wall

#### Protection

**Reverse Polarity** Present **Overload Current** Present

#### **Environment**

 $\begin{array}{ll} \textbf{Operating Temperature} & -40 \sim 75^{\circ}\text{C} \; (-40 \sim 167^{\circ}\text{F}) \\ \textbf{Storage Temperature} & -40 \sim 85^{\circ}\text{C} \; (-40 \sim 185^{\circ}\text{F}) \\ \end{array}$ **Operating Humidity** 10 ~ 95% (non-condensing) 10 ~ 95% (non-condensing) Storage Humidity MTBF FKI-5629CI: 3 183 604 hours EKI-5626CI: 2,825,281 hours

#### Certification

Freefall

**Vibration** 

Safety 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

# Orderina Information

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

IEC 60068-2-32

IEC 60068-2-6

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

