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_{DC} (8.4 ~ 52.8 V_{DC})wide-range power input
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- 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-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** IEEE 802.3, 802.3u, 802.3x, 802.1p, 802.3az , 802.3ab
- **LAN** 10/100/1000Base-T(X), Optional 100Base-FX, 1000Base-SX/LX/LHX/XD/ZX/EZX
- **Transmission Distance** Ethernet: UP to 100m (4-wire Cat.5e, Cat.6 RJ-45 cable 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

- **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
  6-pin removable screw terminal (power & relay)
- **LED Indicators** 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** 8K
- **Packet Buffer Size** 4.1M bit
- **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 Input** 12 ~ 48 V_{DC} (8.4 ~ 52.8 V_{DC}), redundant dual inputs
- **Fault Output** 1 Relay Output

Mechanism

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

Protection

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

Environment

- **Operating Temperature** -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 10 ~ 95% (non-condensing)
- **MTBF** EKI-5629CI: 3,183,604 hours
  EKI-5626CI: 2,825,281 hours

Certification

- **Safety** UL508, Class 1 Division 2, ATEX
- **EMI** CE/FCC
- **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

Ordering Information

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

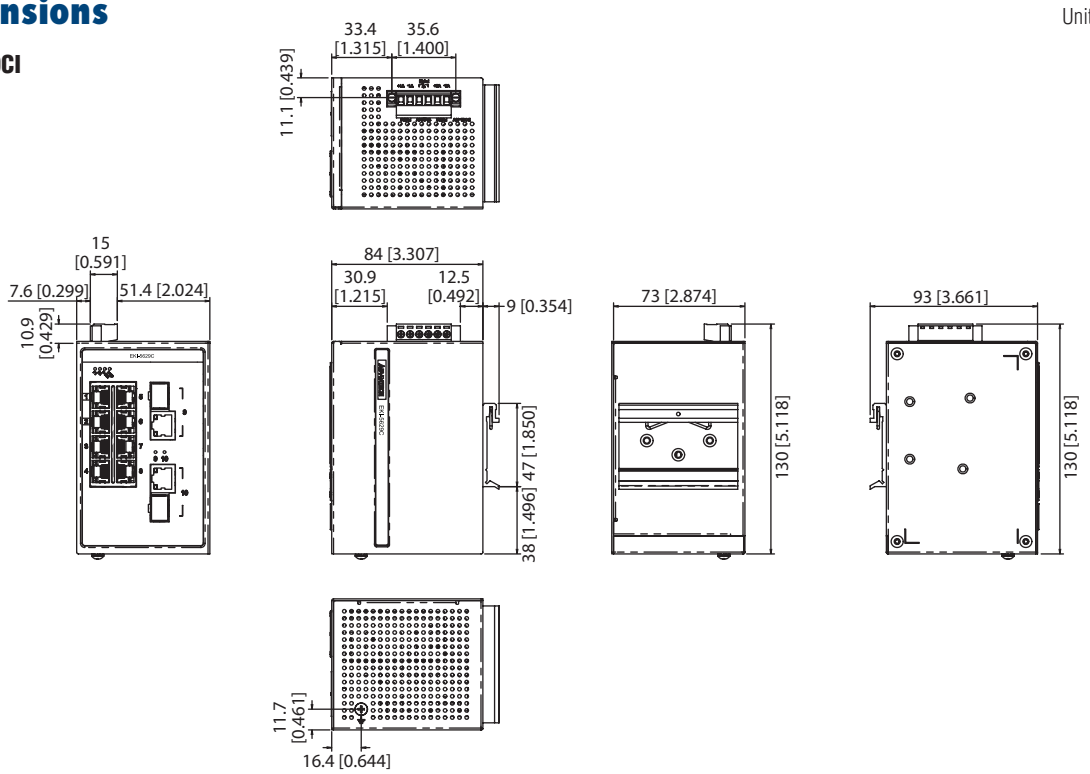
All product specifications are subject to change without notice.

Last updated: 5-Mar-2018

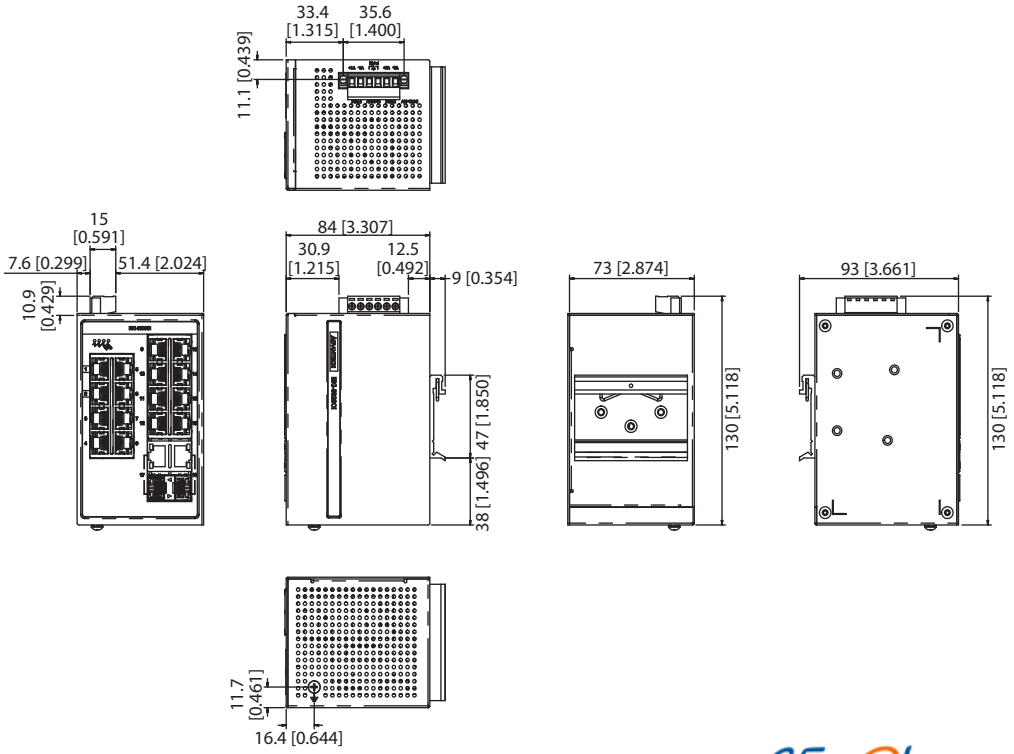
Dimensions

Unit: mm [inch]

EKI-5629CI



EKI-5626CI



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