EKI-2710E-2CI

8FE + 2GE Combo Fast Ethernet Unmanaged Switch



Features

- Provides 8FE+2GE combo ports with Auto MDI/MDI-X
- Supports 8 x 10/100 Mbps Auto-Negotiation + 2 x Combo 10/100/1000M Auto-Negotiation
- Supports redundant 12 ~ 48 V_{DC} power input
- Supports one-touch DIP Switch Configuration: QoS/BSP/port-based VLAN
- Supports EMC Level 4 protection for extreme outdoor environments
- Supports LAN surge protection up to ±6 kV
- Supports wide operating temperatures from -40 to 75 °C
- Equipped with a pull-down DIN rail mounting kit for easy installation across various DIN rail dimensions

Introduction

The EKI-2710E-2CI industrial Ethernet switch provides 8 x 10/100M + 2GE Combo ports, offering versatile connectivity for diverse applications. Users can conveniently enable or disable Quality of Service (QoS), broadcast storm protection, and port-based VLAN settings using DIP switches. Equipped with 12~48 V_{DC} redundant power inputs and pull-down DIN-rail mounting, these switches are designed for reliable performance in industrial environments. With EMC Level 4 protection, it resists electromagnetic interference, ensuring stable operation even in harsh conditions. The operating temperature range of -40 to 75°C further enhances its durability.

Specifications

Communications

- **Standard** IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3x
- **LAN** 10/100Base-T(X)
- **Transmission Distance** Ethernet: Up to 100m; SFP: Up to 110km
- **Transmission Speed** 8 x 10/100 Mbps Auto-Negotiation
  2 x 10/100/1000Base-T(X) or 100/1000Base-FX SFP

Interface

- **Connectors** 8 x Fast Ethernet (RJ45) + 2 x Giga (RJ45/ SFP) combo ports
  4-pin removable screw terminal (power 1 & power 2)
- **LED Indicators** P1, P2,
  10/100T(X): Link/Activity, Speed
- **DIP Switches** QoS/Broadcast Storm Protection/VLAN

Switch Properties

- **MAC Table Size** 4K
- **Packet Buffer Size** 2 MBits
- **Switching Capacity** 5.6Gbps
- **Jumbo Frame** 16K Bytes

Power

- **Power Consumption** 5.8W
- **Power Input** 12~48 V_{DC} (8.4~52.8 V_{DC}), redundant dual inputs

Mechanism

- **Dimensions (W x H x D)** 40 x 140 x 105 mm
- **Enclosure** IP30, metal shell with solid mounting kits
- **Mounting** DIN-Rail, Wall

Environment

- **Operating Temperature** -40~ 75°C (-40~167°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 5 ~ 95% (non-condensing)
- **MTBF** 453,684 hours

Certification

- **Safety** UL62368-1
- **EMC** CE, FCC, BSMI
- **EMI** FCC Part 15 Subpart B Class A
- **EMS** EN 61000-4-2 ESD (Level 4) EN 61000-4-3 (Level 3)
  EN 61000-4-4 EFT (Level 4)
  EN 61000-4-5 Surge (Level 4, LAN Surge ±6KV)
  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

Protection

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

Vertrieb durch AMC
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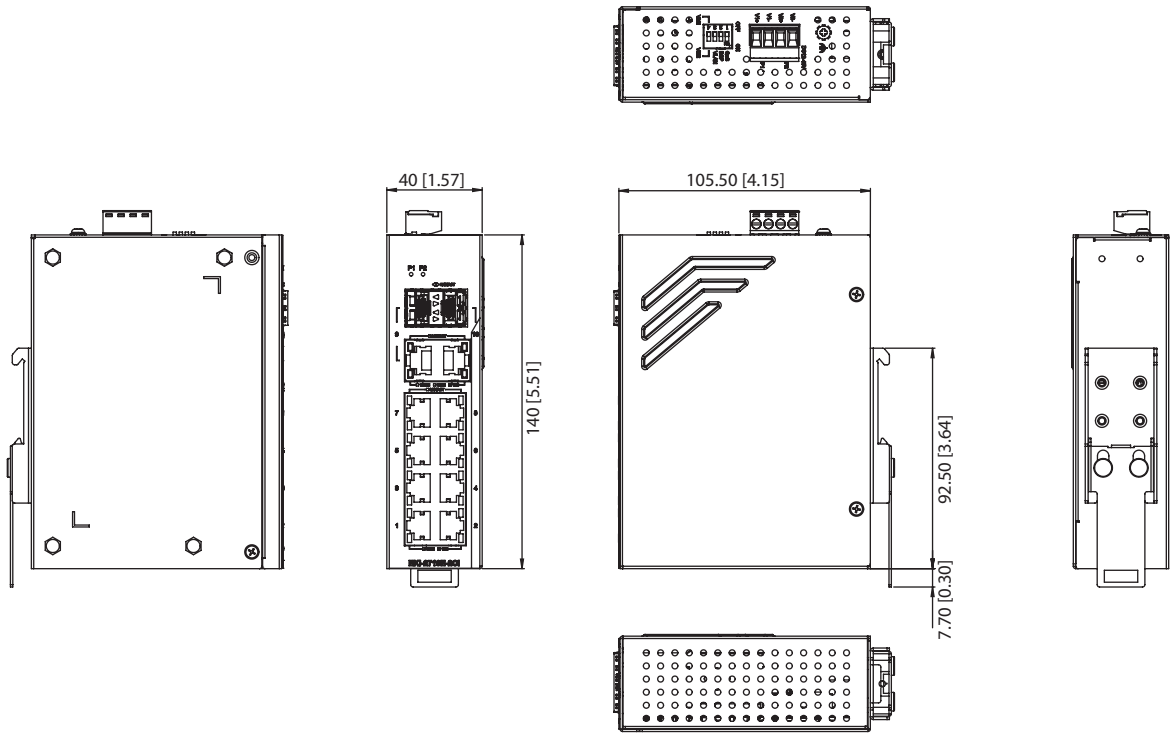
Dimensions

Unit: mm



Outline Dimensions (W x H x L): 40 x 140 x 105.5 mm (1.57"x 5.51" x 4.15")

Ordering Information

- **EKI-2710E-2CI-A** 8FE + 2GE Combo Unmanaged Switch

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