

EKI-2708G-PI

EKI-2710G-2FPI

8GE Port Gigabit Unmanaged Industrial PoE Ethernet Switch

8GE + 2G SFP Port Gigabit Unmanaged Industrial PoE Ethernet Switch



Features

- 8 x Gigabit Ethernet ports or plus 2 Gigabit SFP ports
- Support 8 x IEEE 802.3at/af PoE ports for PD demands
- Up to 30W output per PoE port
- Supports jumbo frame transmission up to 9k bytes
- DIN-rail with IP30 metal mechanism
- 12 ~ 48 V_{DC} redundant dual power input and 1 relay output
- Wide operating temperature range of -40 ~ 75°C

Introduction

The EKI-2708G and EKI-2710G PoE switch are unmanaged Ethernet switches supporting 8 ports PoE+ (Power over Ethernet) and compliant with IEEE 802.3at/af standards. Provides up to 30 watts of power per port and fulfill the power budget of max. 240 watts on system with the power input from 12~48V_{DC}. The switch provides a relay output for an event alarm which activate the alarm to notify administrators. Robust design for harsh environment, din rail mounting and fast startup with plug and work.

The EKI-2708G and EKI-2710G support IEEE 802.3/802.3u/802.3z/802.3ab/802.3x with 10/100/1000 Mbps, full/half-duplex, auto-negotiation and MDI/MDI-X auto-sensing to provide an economical solution for your industrial Ethernet network.

Specifications

Interfaces / Communications

- **I/O Port**
 - EKI-2708G-PI:
 - 8 x 10/100/1000BASE-T/TX RJ-45
 - EKI-2710G-2FPI:
 - 8 x 10/100/1000BASE-T/TX RJ-45
 - 2 x SFP (mini-GBIC) 100/1000Mbps port
- **Standards**
 - Auto-Negotiation, Full/Half Duplex Mode
 - Auto MDI/MDI-X Connection
 - IEEE 802.3 for 10BaseT
 - IEEE 802.3u for 100BaseT(X)/FX
 - IEEE 802.3z for 1000BASE-X
 - IEEE 802.3ab 1000BaseT(X)
 - IEEE 802.3x for Flow Control
- **PoE**
 - Port 1 ~ Port 8: IEEE 802.3at/af
- **Power Connector**
 - 6-pin screw Terminal Block (including relay)

Physical

- **Enclosure**
 - Metal Shell
- **Protection Class**
 - IP 30
- **Installation**
 - DIN-Rail, Wall-mount (optional)
- **Dimensions (W x H x D)**
 - 56 x 140 x 130mm (2.205 x 5.512 x 5.118 inch)
- **Weight**
 - 1.1kg

LED Indicators

- **System LED**
 - PWR1, PWR2, ALM
- **Port LED**
 - Link / Speed / Activity / PoE

Environment

- **Operating Temperature**
 - 40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature**
 - 40 ~ 85°C (-40 ~ 185°F)
- **Ambient Relative Humidity**
 - 5 ~ 95% (non-condensing)
- **Overload Current Protection**
 - Present
- **Reverse Polarity Protection**
 - Present

Power

- **Power Consumption (system)**
 - Max. 5.28 W (system)
- **Power Input**
 - 12~48V_{DC}
 - redundant dual power input
- **Power Budget**
 - 240W @ 48V_{DC}
 - 120W @ 24V_{DC}
 - 80W @ 12V_{DC}
- **Fault Output**
 - 1 Relay Output, 1A@24V_{DC}

Certification (Preliminary)

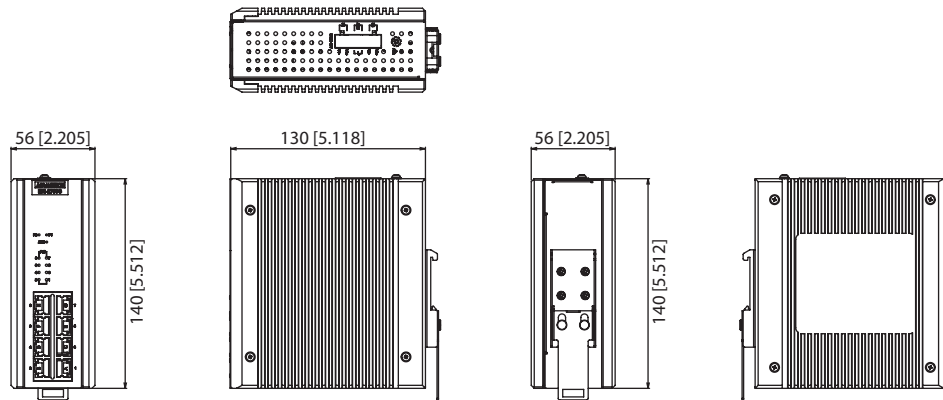
- **Safety**
 - LVD EN62368-1
- **EMI**
 - CE, CISPR 32, FCC Part 15B Class A, e-Mark compliant
- **EMS**
 - IEC 61000-4-2 ESD Level 4
 - IEC 61000-4-3 RS
 - IEC 61000-4-4 EFT Level 4
 - IEC 61000-4-5 Surge Level 4
 - IEC 61000-4-6 CS
 - IEC 61000-4-8 PFM
- **EMC**
 - EN 55032
 - EN 55035
 - EN 61000-6-2
 - EN 61000-6-4
 - IEC 60068-2-27
 - IEC 60068-2-32
 - IEC 60068-2-6
 - NEMA TS-2 compliant
 - EN 50121-4 compliant
- **Shock**
- **Freefall**
- **Vibration**
- **Traffic control**
- **Railway Trackside**

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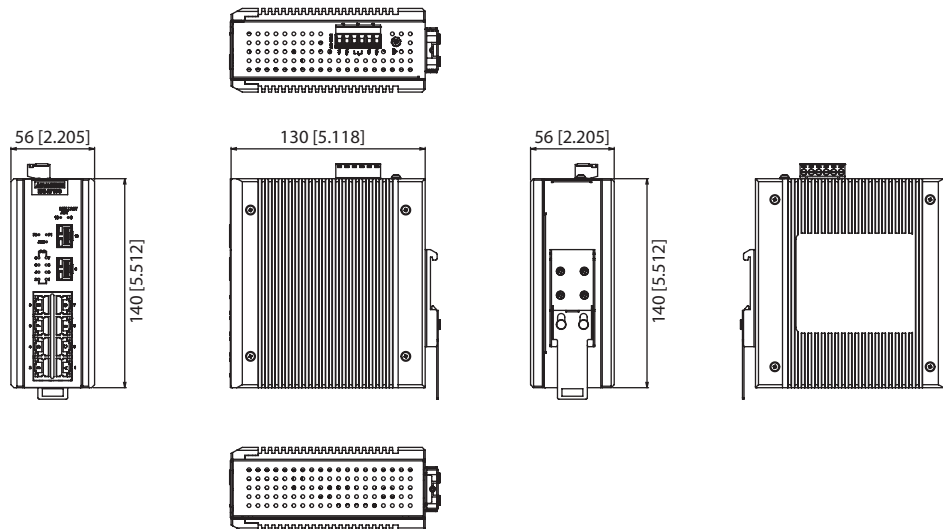
Dimensions

Unit: mm [inch]

EKI-2708G-PI



EKI-2710G-2FPI



Panel Cut-out Dimensions (W x H x D): 56 x 140 x 130mm (2.205 x 5.512 x 5.118 inch)

Switch Properties

- **Switch Capacity** EKI-2708G-PI: 16Gbps
EKI-2710G-2FPI: 20Gbps
- **Transmission Rate** EKI-2708G-PI: 11.9Mpps
EKI-2710G-2FPI: 14.8Mpps
- **MAC Table Size** 4K
- **Jumbo Frame** 9K

Warranty

- **Warranty Period** 5 years

Ordering Information

- **EKI-2708G-PI-A** 8GE Port Unmanaged PoE Ethernet Switch w/ Wide Temp.
- **EKI-2710G-2FPI-A** 8GE + 2G SFP Port Unmanaged PoE Ethernet Switch w/Wide Temp.