

EKI-2708G-PI

EKI-2710G-2FPI

8GE Port Gigabit Unmanaged Industrial PoE Ethernet Switch

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

Preliminary



EKI-2708G-PI

EKI-2710G-2FPI

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
Auto-Negotiation, Full/Half Duplex Mode
Auto MDI/MDI-X Connection
- **Standards**
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
240W @ 48V_{DC}
120W @ 24V_{DC}
80W @ 12V_{DC}
- **Power Budget**
1 Relay Output, 1A@24V_{DC}
- **Fault Output**

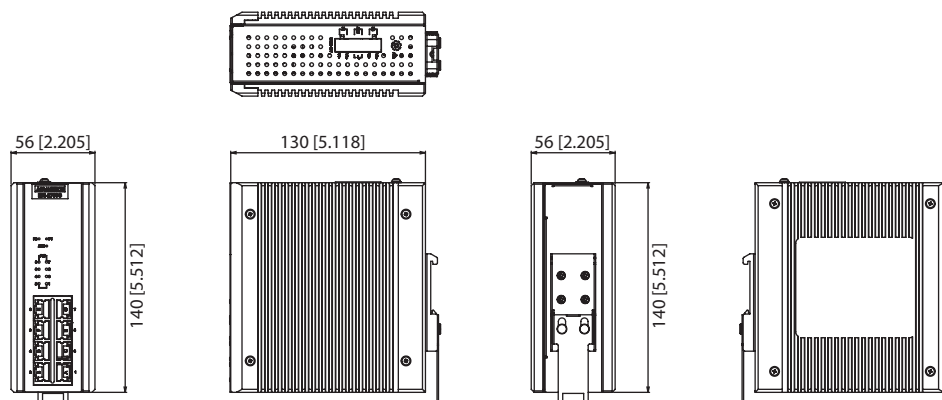
Certification (Preliminary)

- **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**

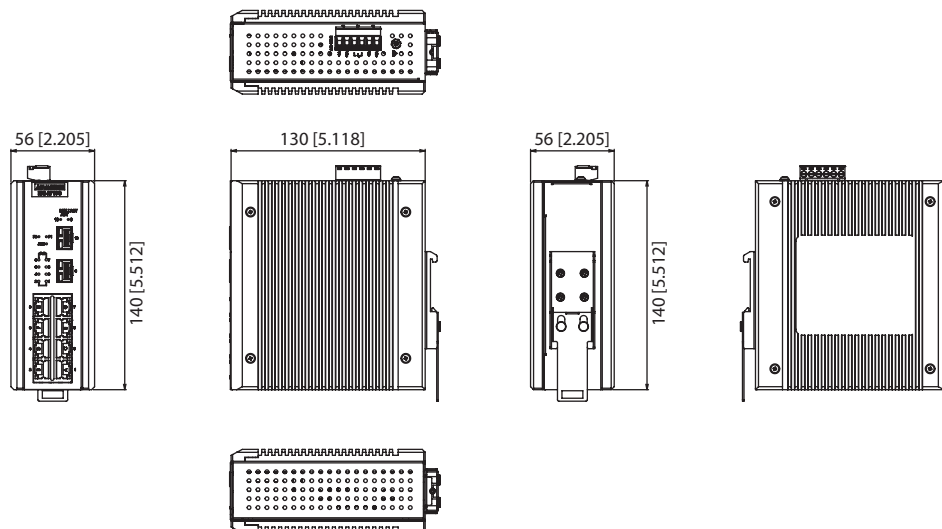
Dimensions

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.