



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



EKI-2706E-1GFP/I EKI-2706G-1GFP/I

4FE PoE+1GE+1G SFP Unmanaged Industrial Switch 4GE PoE+1GE+1G SFP Unmanaged Industrial Switch



EKI-2706E-1GFP/I

EKI-2706G-1GFP/I



Features

- Supports 10/100/1000 Mbps Auto Negotiation (EKI-2706G)
- Supports jumbo frame transmission up to 9 kbytes
- DIN-rail with IP30 metal mechanism
- Redundant 48 V_{DC} power input
- Provides broadcast storm protection
- 4 x IEEE 802.3 af/at PoE /PoE+ ports + 1 x Gigabit Copper + 1 Gigabit SFP ports

Introduction

The EKI-2706 series supports 48V_{DC} redundant power input and is secured with a double protection mechanism: Power Polarity Reverse Protection and an Overload Current Fuse. The EKI-2706 series supports up to 4-port IEEE 802.3 af/at PoE /PoE+ ports. Each port of EKI-2706 has two LED's to show the link status, transmission speed, and collision status. It also provides a relay output for an event alarm. In the event of a power failure, the built-in LED will activate the alarm to notify administrators. Engineers can simply verify the hardware status by checking the LED to make troubleshooting quick and easy. EKI-2706 comes with a compact metal housing rated at IP30 to protect against dusty industrial environments.

Specifications

Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x, 802.1ab, 802.1z
- **LAN** EKI-2706E-1GFP/I :
4 x 10/100Mbps(RJ-45)+1 x 10/100/1000Mbps(RJ-45)
+1 x 100/1000Mbps(SFP)
EKI-2706G-1GFP/I :
5 x 10/100/1000Mbps(RJ-45)+1 x 100/1000Mbps(SFP)
- **Transmission Distance** Ethernet: Up to 100 m (4-wire Cat.5e, Cat.6 RJ45 cable)
SFP: Up to 110 km (depends on SFP)
- **Transmission Speed** Ethernet: 10/100 Mbps Auto-Negotiation
Gigabit Copper: 10/100/1000 Mbps, Auto-Negotiation
Gigabit Fiber: Up to 1000 Mbps

Interface

- **Connectors** 5 x RJ-45 + 1 x SFP
6-pin removable screw terminal (power & relay)
- **LED Indicators** P1, P2, P-Fail
Link / Speed / Activity

Power

- **Power Consumption** Max. 2 W
- **Power Input** 48 V_{DC}
- **Fault Output** 1 Relay Output, 1 A @ 24 V_{DC}
- **Power Budget** 90W

Mechanism

- **Dimensions (W x H x D)** 30 x 140 x 95 mm (1.18" x 5.51" x 3.74")
- **Enclosure** IP30, metal shell with solid mounting kits
- **Mounting** DIN-rail, Wall

Protection

- **Power Reverse** Present
- **Overload current** Present

Environment

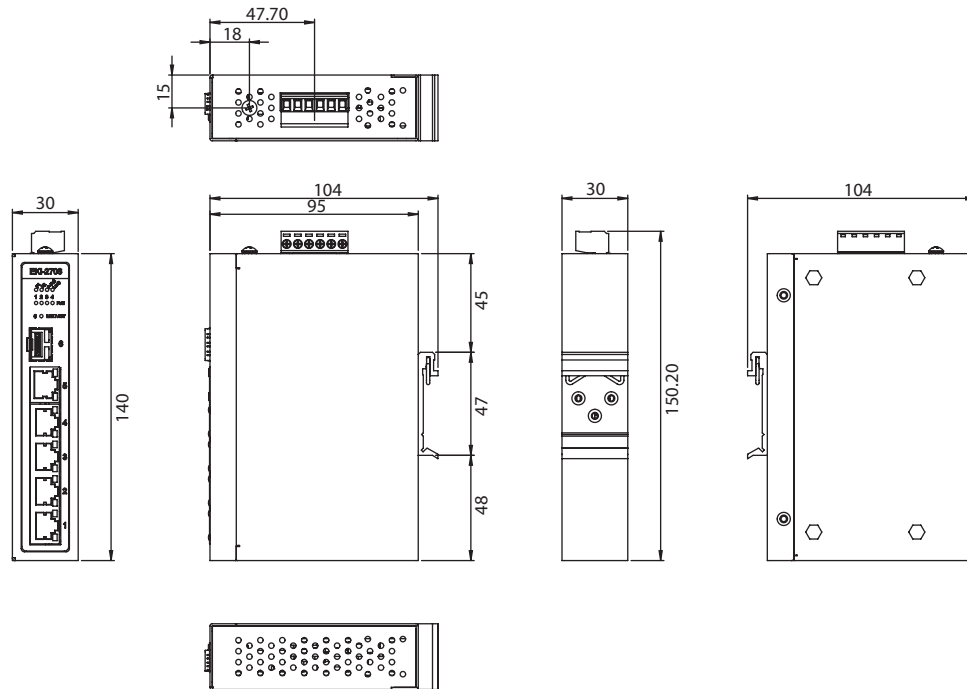
- **Operating Temperature** EKI-2706E-1GFP & EKI-2706G-1G1FP :
-10 ~ 60 °C (14 ~ 140 °F)
EKI-2706E-1GFP/I & EKI-2706G-1G1FP/I :
-40 ~ 75 °C (-40 ~ 167 °F)
- **Storage Temperature** -40 ~ 85 °C (-40 ~ 185 °F)
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 10 ~ 95% (non-condensing)
- **MTBF** 1,697,086 hours

Certification

- **Safety** UL 60950
- **EMI** CE, FCC Class A
- **EMS** EN 61000-4-2
EN 61000-4-3
EN 61000-4-4
EN 61000-4-5
EN 61000-4-6
EN 61000-4-8
- **Shock** IEC 60068-2-27
- **Freefall** IEC 60068-2-32
- **Vibration** IEC 60068-2-6
- **Patent** <http://www.advantech.com/legal/patent>

Dimensions

Unit: [mm]



Panel Cut-out Dimensions: 30 x 140 x 95 mm (1.18" x 5.51" x 3.74")

Ordering Information

- **EKI-2706E-1GFP-AE** 4FE PoE+1GE+1G SFP Unmanaged Industrial PoE Switch
- **EKI-2706E-1GFPI-AE** 4FE PoE+1GE+1G SFP Unmanaged Industrial PoE Switch w/Wide temp.
- **EKI-2706G-1GFP-AE** 4GE PoE+1GE+1G SFP Unmanaged Industrial PoE Switch
- **EKI-2706G-1GFPI-AE** 4GE PoE+4GE+1G SFP Unmanaged Industrial PoE Switch w/Wide temp.