EKI-2706G-1GFPI-BE
EKI-2706E-1GFPI-BE

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



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 24~48 VDC power input
- 4 x IEEE 802.3 af/at PoE /PoE+ ports + 1 x Giga (Fast Ethernet) + 1 Gigabit SFP ports

Introduction

The EKI-2706 supports 24~48VDC redundant power input and is secured with a double protection mechanism: Power Polarity Reverse Protection and an Overload Current Fuse. The EKI-2706 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. 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, 802.3ab, 802.3z
LAN	EKI-2706G: 4 x 10/100/1000Mbps (RJ-45) + 1 x 10/100/1000Mbps(RJ-45) + 1 x 100/1000Mbps (SFP) EKI-2706E: 4 x 10/100Mbps (RJ-45) + 1 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: 10/100/1000 Mbps Auto-Negotiation (EKI-2706G) 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 / POE

Power

Power Consumption	Max. 2 W
Power Input	24~48 V_{DC}
Input current	1.92A @ 48 V_{DC} 4.12A @ 24 V_{DC}
Fault Output	1 Relay Output, 1 A @ 24 V_{DC}
Power Budget	60W @ 75°C 90W @ 60°C

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	-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

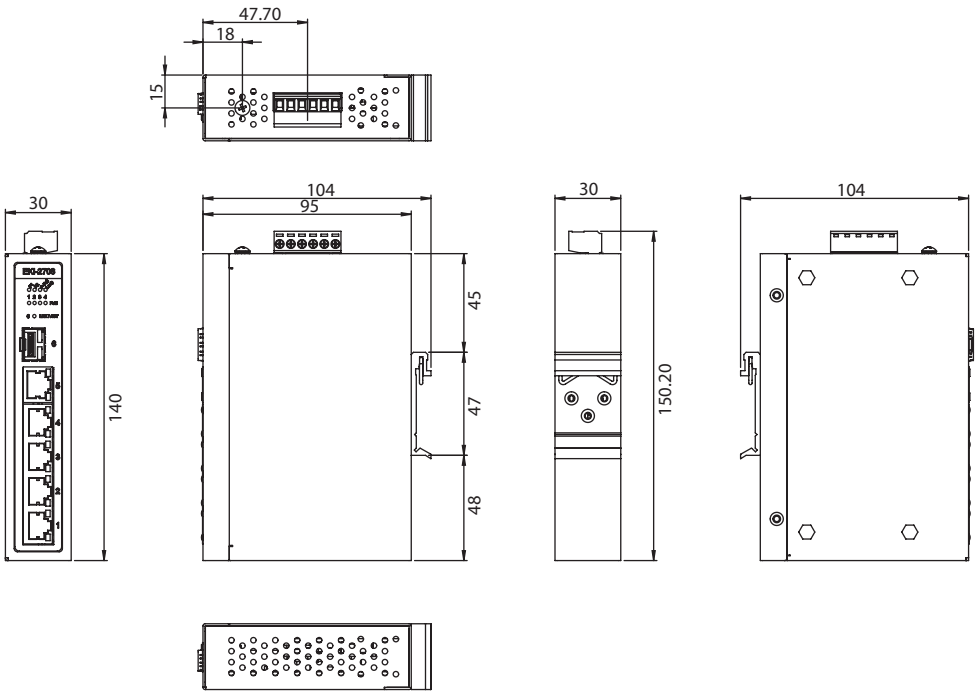
Certification

Safety	UL 62368, e-Mark(pending)
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

All product specifications are subject to change without notice.
Last updated: 12-Dec-2022

Dimensions

Unit: [mm]



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

Ordering Information

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