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

4FE PoE+1GE+1G SFP Unmanaged Industrial Switch 4GE 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 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 PresentOverload current Present

Environment

• Operating Temperature EKI-2706E-1GFP & EKI-2706G-1G1FP:

-10 ~ 60 °C (14 ~ 140 °F)

EKI-2706E-1GFPI & EKI-2706G-1G1FPI:

-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

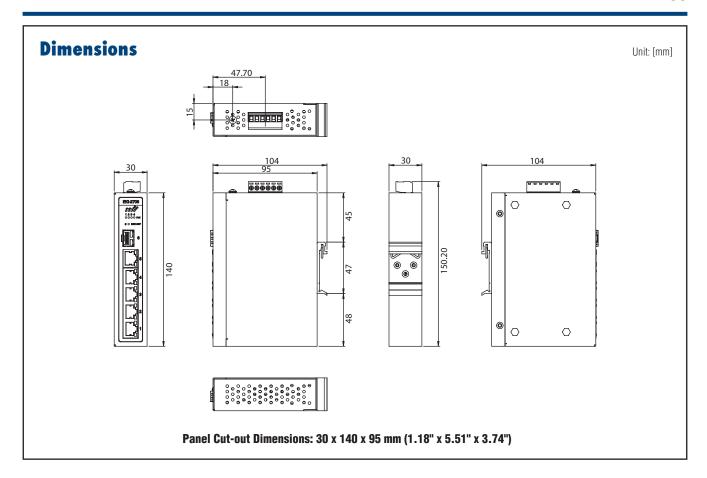
Safety UL 60950

 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



Ordering Information

• **EKI-2706E-1GFP-AE** 4FE PoE+1GE+1G SFP Unmanaged Industrial PoE Switch

EKI-2706E-1GFPI-AE
 4FE P0E+1GE+1G SFP Unmanaged Industrial P0E
 Switch w.Wilde temp

Switch w/Wide temp.

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

• EKI-2706G-1GFPI-AE 4GE P0E+4GE+1G SFP Unmanaged Industrial PoE Switch w/Wide temp.