EKI-2525/I
EKI-2528/I

5-port Unmanaged Industrial Ethernet Switch

8-port Unmanaged Industrial Ethernet Switch

EKI-2525

EKI-2528

Features

- Provides 5/8 Fast Ethernet ports with Auto MDI/MDI-X
- Supports 10/100 Mbps Auto-Negotiation
- Provides broadcast storm protection
- Provides compact size with DIN-rail/Wall mount, and IP30 metal mechanism
- Supports redundant 12 ~ 48 VDC power input and P-Fail relay
- Supports wide operating temperatures from -40 to 75°C (EKI-2525I/EKI-2528I)

Introduction

The EKI-2525/2528 supports a Fast Ethernet solution. The power is a +12 ~ 48 V_{DC} redundant input design, and is secured with a double protection mechanism: Power Polarity Reverse Protect and an Overload Current Resetable Fuse. The former tolerates reverse power wiring while the later secures the system from overload currents. As the power supply turns normal, EKI-2525/2528 will automatically get back to work. Each port of EKI-2525/2528 has 2 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, and have troubleshooting easy and quick. EKI-2525/2528 comes with compact metal housing that rates IP30 to help against from dusty industrial environments.

Specifications

Communications

- **Standard IEEE**   802.3, 802.3u, 802.3x
- **LAN**   10/100Base-T (X)
- **Transmission Distance** Up to 100 m
- **Transmission Speed** Up to 100 Mbps

Interface

- **Connectors**   8 x RJ45 (EKI-2528) or 5 x RJ45 (EKI-2525)
  6-pin removable screw terminal (power & relay)
- **LED Indicators** P1, P2, P-Fail
  10/100T (X): Link/Activity, Duplex/Collision

Power

- **Power Consumption** EKI-2525/I: 2.88 Watts
  EKI-2528/I: 4.71 Watts
- **Power Input**   12 ~ 48 V_{DC}, redundant dual inputs
- **Fault Output**   1 Relay Output

Mechanism

- **Dimensions (W x H x D)** EKI-2525: 30 x 120 x 95 mm (1.18'' x 4.72'' x 3.74)
  EKI-2528: 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

- **Reverse Polarity** Present
- **Overload current** Present

Environment

- **Operating Temperature** -10 ~ 60°C (14 ~ 140°F)
  -40 ~ 75°C (-40 ~ 167°F), (EKI-2525I and EKI-2528I)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 10 ~ 95% (non-condensing)
- **MTBF**   388,566 hours (EKI-2528)
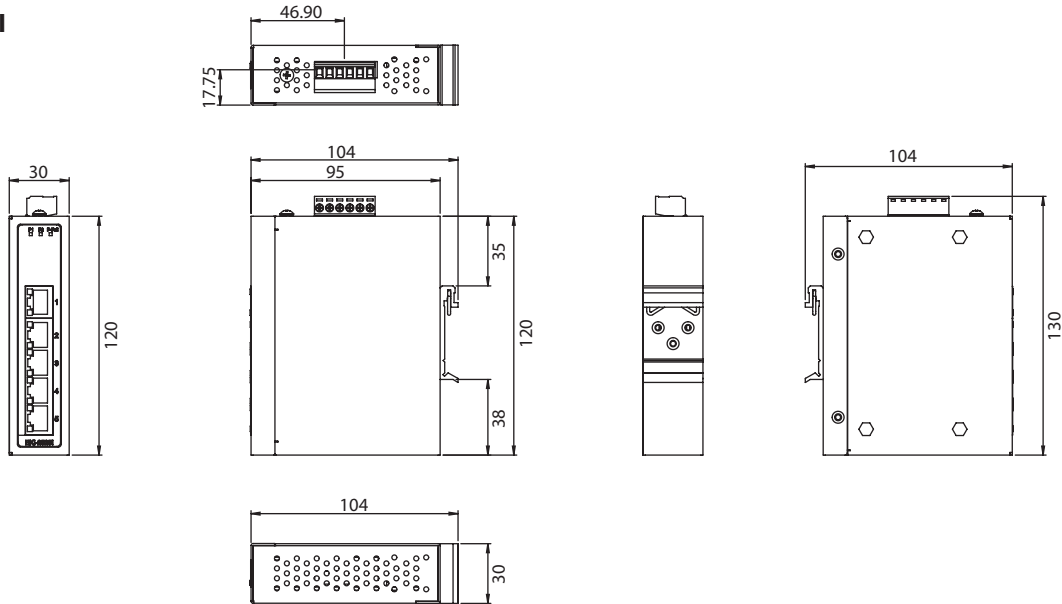 412,590 hours (EKI-2525)

Certification

- **Safety**   EKI-2525/I: UL/cUL 60950
  EKI-2528/I: UL/cUL 60950 Class I, Division 2, Groups A, B, C and D
- **EMI**   FCC Part 15 Subpart B Class A, EN 55022 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
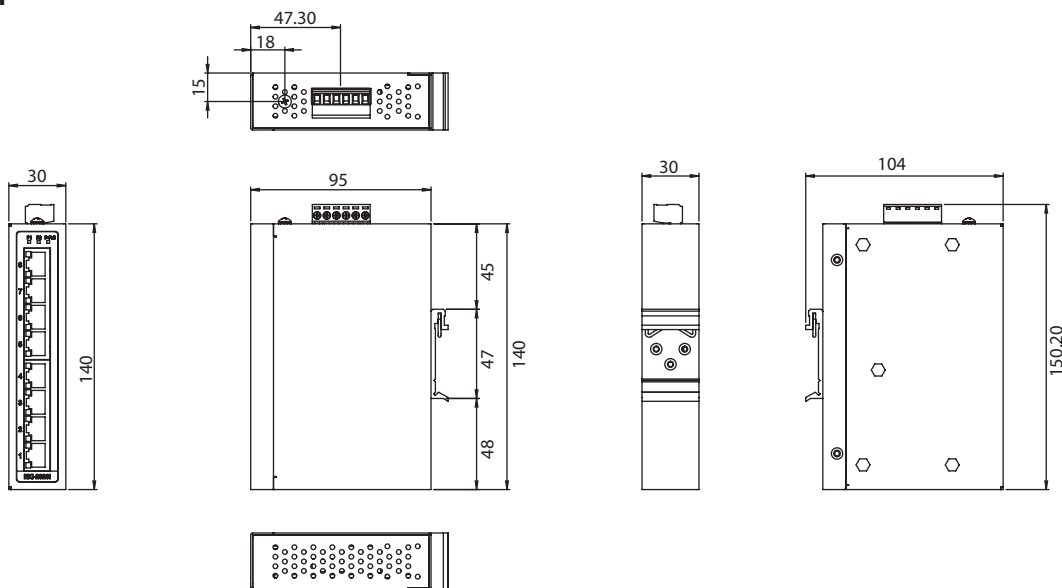 Freefall IEC 60068-2-32
  Vibration IEC 60068-2-6

Dimensions

Unit: mm

EKI-2525/I

46.90

17.75

30

104
95

120

35

120

38

120

104

130

104

30

Panel Cut-out Dimensions: 30 x 120 x 95 mm (1.18" x 4.72" x 3.74")

EKI-2528/I

47.30

18

15

30

95

140

45

47

140

48

30

104

150.20

140

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

Ordering Information

- **EKI-2525-BE**   5-port Ethernet Switch
- **EKI-2525I-BE**   5-port Ethernet Switch w/ Wide Temp
- **EKI-2528-BE**   8-port Ethernet Switch
- **EKI-2528I-BE**   8-port Ethernet Switch w/ Wide Temp

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Ethernet Modules *category:*

Click to view products by Advantech *manufacturer:*

Other Similar products are found below :

1026937   1026932   M38510/00302BCA   70001610   70001634   850-15633   PD-AS-951/12-24   GX-OC1601   1402407   I210T1   I350T4V2   SBL2EX   SL170115   GX-OD1612   CPTS-4R4E-R   TDKEZW3   I350F2   I350F2BLK   I350T2V2   V23993-USB1029A   100-POE4   105FX-ST   105TX-SL   SEG305-T   70001992   70001993   708TX   854-19720   I350T4V2BLK   I350T2V2BLK   I210T1BLK   PD-OUT/MBK/S   SX-BR-4600WAN2-US   W4S105C   X710DA4FHBLK   I350T2V2BLK   936714   GX-ID1611   3G8F7-DRM21-E   EKI-2525I-BE   BCM53426A0KFSBG   PCM-24R2GL-AE   96NIC-1G4P-PE-IN2   0.70001777   BCM53402A0KFSBG   105FXE-SC-15-POE   PD-OUT/MBK/G   856-15410   X520QDA1   BCM84794A1KFSBG   X520DA2OCP