EKI-2728MI

6G+2G Multi-Mode Unmanaged Ethernet Switch with Wide Temperature Support

Features

- Supports 10/100/1000 Mbps auto negotiation
- Supports jumbo frame transmission up to 9 KB
- Slim size, DIN rail with IP30 metal mechanism
- Provides broadcast storm protection
- Redundant DC power supply and one removable AC power input

Introduction

The EKI-2728MI is a cost-effective unmanaged industrial Ethernet switch that supports Gigabit Ethernet. It also features green power requirements and supports advanced network standards to optimize network performance, reduce maintenance costs, and ensure network security.

Specifications

Communications

- **Standard**   IEEE 802.3, 802.3u, 802.3x, 802.1ab, 802.1z
- **LAN**   10/100/1000BASE-TX
- **Transmission Distance** Ethernet: Up to 100 m
                         Fiber: Up to 2 km
- **Transmission Speed** Up to 1000 Mbps

Interface

- **Connectors**   6 x RJ45 ports
                         2 x SC type fiber optic
- **LED Indicators**   System: PWR1, PWR2, P-Fail
                         Gigabit Ethernet copper: Link/Activity,
                         speed (10/100/1000 Mbps)
                         Fiber SC: Link/Activity

Mechanism

- **Enclosure**   IP30, metal shell with solid mounting kits
- **Dimensions (W x H x D)** 59.6 x 152 x 105 mm (2.35" x 5.98" x 4.13")
- **Mounting**   DIN-rail, Wall

Power

- **Power Consumption** Max. 10.2 W
- **Power Input**   12 ~ 48 V_{DC}, 24 V_{AC} (18 ~ 30 V_{AC})
- **Fault Output**   1 Relay Output, 1 A @ 24 V_{DC}

Protection

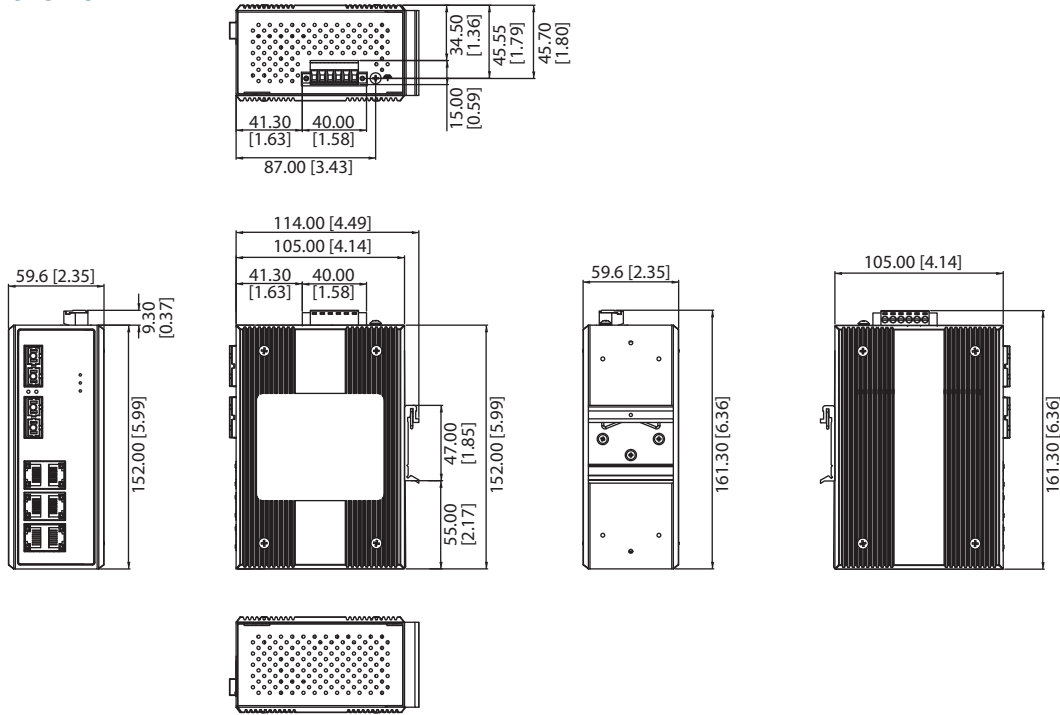- **Power Reverse**   Present

Environment

- **Operating Temperature** -40 ~ 75 °C (-40 ~ 167 °F)
- **Storage Temperature**   -40 ~ 85 °C (-40 ~ 185 °F)
- **Operating Humidity**   5 ~ 95% (non-condensing)
- **Storage Humidity**   0 ~ 95% (non-condensing)
- **MTBF**   505,863 hours

Certifications

- **Safety**   UL 508, Class I, Division 2
- **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

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All product specifications are subject to change without notice.   Last updated: 27-Jun-2018

Dimensions

Unit: [mm]

34.50 [1.36]
45.55 [1.79]
45.70 [1.80]
15.00 [0.59]
41.30 [1.63]
40.00 [1.58]
87.00 [3.43]

59.6 [2.35]
9.30 [0.37]
152.00 [5.99]

114.00 [4.49]
105.00 [4.14]
41.30 [1.63]
40.00 [1.58]
47.00 [1.85]
55.00 [2.17]
152.00 [5.99]

59.6 [2.35]
161.30 [6.36]

105.00 [4.14]
161.30 [6.36]

Panel Cut-out Dimensions: 114 x 152 x 59.6 mm (4.49" x 5.99" x 2.35")

Ordering Information

- **EKI-2728MI**   6Gx+2 Multi-mode Fiber Unmanaged Ethernet Switch
                    w/ Wide Temp

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