EKI-3725 EKI-3728

5-port Gigabit Unmanaged Industrial Ethernet Switch

8-port Gigabit Unmanaged Industrial Ethernet Switch



Features

- Supports IEEE 802.3az, Energy Efficient Ethernet standard
- -Automatically powers down ports that have no link
- -Budgets power output for different Ethernet cable length
- Support IEEE 802.1p QoS- VIP port setting
- -Ensures time sensitive data gets delivered efficiently, even during bursts of high data traffic.
- -Ensures video streaming through switch with high priority.
- Supports 9,216 Byte Jumbo Frames
- Supports redundant $12 \sim 48 V_{DC}$ power input and P-Fail relay
- In Loop detection

Introduction

The EKI-3725/3728 are a new generation products with green Ethernet design. They feature green solutions that automatically adjust power consumption by detecting the link status and cable length. Designed with 1/2 "VIP" ports to get optimal bandwidth for media traffics through VIP ports users can experience better performance of multimedia streaming preferred through prioritized bandwidth setting. The devices come with compact metal and plastic housing that is IP40 rated to protect against dusty industrial environments. The wide power input power (8.4 to 52.4 V_{DC}) is dedicated to operate in areas of unstable power and rugged environments. It also provides an event alarm and in the event of a power failure and connection loop, the intergrated LED will activate the alarm to notify administrators.

Specifications

Communications

Standard
 IEEE 802.3, 802.3u, 802.3x, 802.1p, 802.3az, 802.3ab
 LAN
 10/100/1000Base-T(X)

Transmission Distance
 Transmission Speed
 Up to 1000 Mbps

Interface

Connectors
 8 x RJ45 (EKI-3728) or 5 x RJ45 (EKI-3725)
 6-pin removable screw terminal (power & relay)

LED Indicators
 P1, P2, P-Fail, Loop detection
 10/100T (X): Link/Activity, Speed

Switch Properties

MAC Table Size
 2K (EKI-3725)
 8K (EKI-3728)

Packet Buffer Size
 1M bit

 Switch Fabric Speed 10Gbps (EKI-3725) 16Gbps (EKI-3728)

Jumbo Frame 9,216 byte

Power

Power Consumption
 EKI-3725: Max. 2.7 W
 EKI-3728: Max. 4.5W

■ **Power Input** 12 ~ 48 V_{DC}, redundant dual inputs

• Fault Output 1 Relay Output

Mechanism

■ **Dimensions (W x H x D)** 28.5 x 120 x 85.3 mm (1.02" x 4.73" x 3.35") - EKI-3725

44.5 x 120 x 85.3 mm (1.75" x 4.73" x 3.35") - EKI-3728

Enclosure IP40, plastic and metal shell with solid mounting kits

• Mounting DIN-rail, Wall

Protection

Reverse Polarity PresentOverload current Present

Environment

Operating Temperature -10 ~ 60°C (14 ~ 140°F)
 Storage Temperature -40 ~ 85°C (-40 ~ 185°F)
 Operating Humidity 5 ~ 95% (non-condensing)
 Storage Humidity 0 ~ 95% (non-condensing)
 MTBF 1,478,582 hours (EKI-3728) 1,545,555 hours (EKI-3725)

Certification

Shock

Safety
 UL 60950-1, CAN/CSA-C22.2 No.60950
 FMI
 FCC Part 15 Subport P Class A FN 5501

EMI FCC Part 15 Subpart B Class A, EN 55011/55022

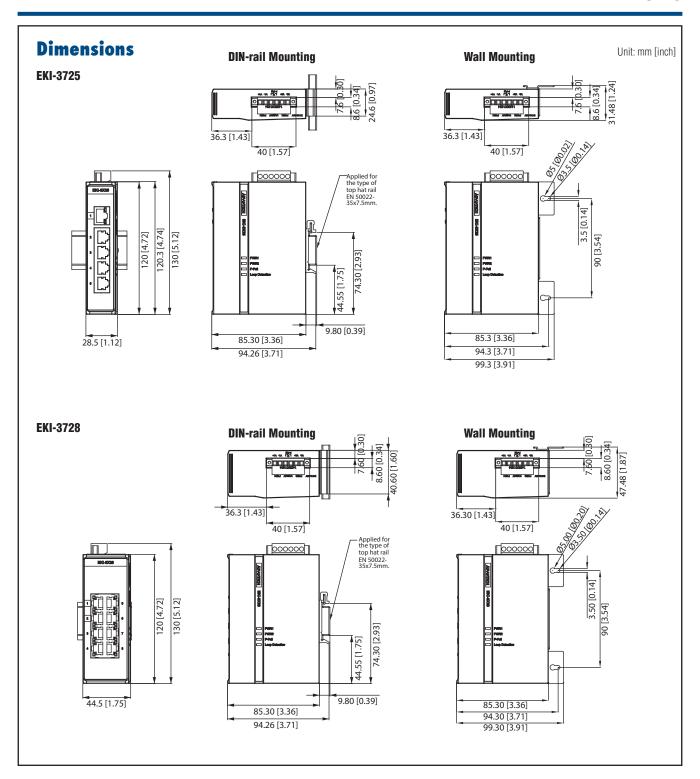
Class A

EMS EN 61000-4-2 (Level 3)

EN 61000-4-3 (Level 3) EN 61000-4-4 (Level 4) EN 61000-4-5 (Level 3) EN 61000-4-6 (Level 3)

EN 61000-4-8 (Level 4) IEC 60068-2-27

Freefall IEC 60068-2-32
Vibration IEC 60068-2-6



Ordering Information

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EKI-3728 8-port Gigabit Unmanaged Industrial Ethernet Switch