# 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 ~ 48 V<sub>DC</sub> 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 Voc) 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
- I AN
- IEEE 802.3, 802.3u, 802.3x, 802.1p, 802.3az, 802.3ab 10/100/1000Base-T(X)

8 x RJ45 (EKI-3728) or 5 x RJ45 (EKI-3725)

P1, P2, P-Fail, Loop detection

10/100T (X): Link/Activity, Speed

6-pin removable screw terminal (power & relay)

- Transmission Distance Up to 100 m Up to 1000 Mbps
- Transmission Speed

#### Interface

- Connectors
- LED Indicators

#### **Switch Properties**

| • | MAC Table Size      | 2K (EKI-3725)<br>8K (EKI-3728)         |
|---|---------------------|--|
| • | Packet Buffer Size  | 1M bit                                 |
| • | Switch Fabric Speed | 10Gbps (EKI-3725)<br>16Gbps (EKI-3728) |
| • | Jumbo Frame         | 9,216 byte                             |

#### Power

| <ul> <li>Power Consumption</li> </ul> | EKI-3725: Max. 2.7 W<br>EKI-3728: Max. 4.5W |
|---------------------------------------|---|
| <ul> <li>Power Input</li> </ul>       | $12 \sim 48 V_{DC}$ , redundant dual inputs |
| <ul> <li>Fault Output</li> </ul>      | 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
- IP40, plastic and metal shell with solid mounting kits Enclosure
- Mounting

DIN-rail. Wall

All product specifications are subject to change without notice

| Last updated : 3-Oct-2014 |
|---------------------------|
|---------------------------|

#### Protection Reverse Polarity

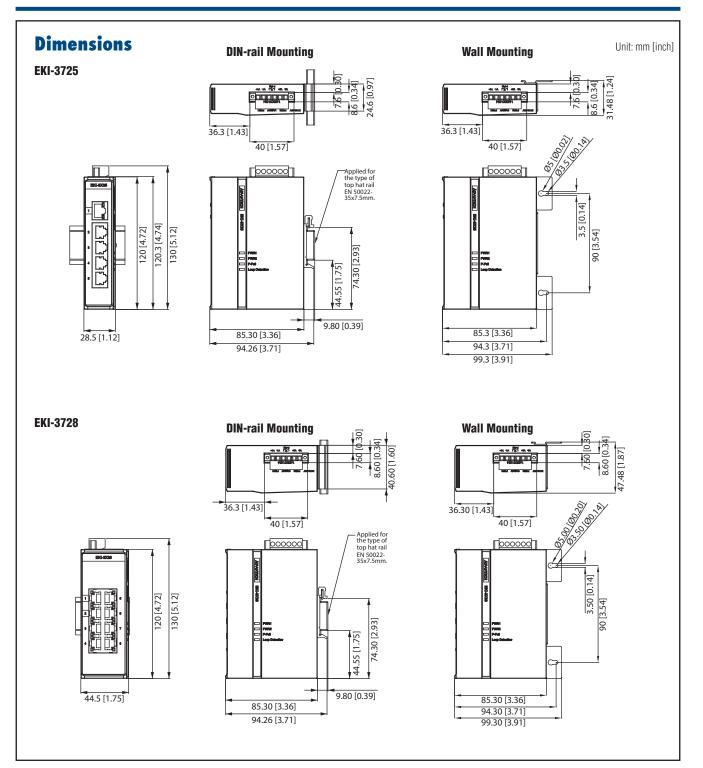
| Reverse Polarity                        | Present                    |  |
|---|----------------------------|--|
| <ul> <li>Overload current</li> </ul>    | Present                    |  |
| Environment                             |                            |  |
| Operating Temperature                   | -10 ~ 60°C (14 ~ 140°F)    |  |
| <ul> <li>Storage Temperature</li> </ul> | -40 ~ 85°C (-40 ~ 185°F)   |  |
| <ul> <li>Operating Humidity</li> </ul>  | 5 ~ 95% (non-condensing)   |  |
| <ul> <li>Storage Humidity</li> </ul>    | 0 ~ 95% (non-condensing)   |  |
| <ul> <li>MTBF</li> </ul>                | 1,478,582 hours (EKI-3728) |  |
|   | 1,545,555 hours (EKI-3725) |  |

Dropont

### Certification

| UL 60950-1, CAN/CSA-C22.2 No.60950   |
|--|
| FCC Part 15 Subpart B Class A, EN 55011/55022<br>Class A   |
| EN 61000-4-2 (Level 3)<br>EN 61000-4-3 (Level 3)<br>EN 61000-4-4 (Level 4)<br>EN 61000-4-5 (Level 3)<br>EN 61000-4-6 (Level 3)<br>EN 61000-4-8 (Level 4) |
| IEC 60068-2-27   |
| IEC 60068-2-32   |
| IEC 60068-2-6  |
|  |

# EKI-3725 EKI-3728



# **Ordering Information**

EKI-3725

5-port Gigabit Unmanaged Industrial Ethernet Switch 8-port Gigabit Unmanaged Industrial Ethernet Switch

EKI-3728