

# Неуправляемые коммутаторы серии ЕКІ-25 ХХ, 35 ХХ, 76 ХХ

## ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

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Тюмень (3452)66-21-18  
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Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

# EKI-2525M EKI-2526M/S

**4+1 100FX Port Multi-Mode/Single Mode  
Unmanaged Industrial Ethernet Switch**  
**4+2 100FX Port Unmanaged Industrial  
Ethernet Switch**



## Features

- Provides 4 x 10/100 Mbps Ethernet ports with RJ45 connector
- Provides 1 x 100 Mbps Multi-mode SC type fiber optic port (EKI-2525M)
- Provides 2 x 100 Mbps Multi-mode SC type fiber optic port (EKI-2526M)
- Provides 2 x 100 Mbps Single-mode SC type fiber optic port (EKI-2526S)
- Supports full/half duplex flow control
- Supports MDI/MDI-X auto crossover
- Provides broadcast storm protection
- Provides redundant 12 ~ 48 V<sub>DC</sub> power input
- Provides flexible mounting: DIN-rail and Wall mount

## Introduction

EKI-2525M/2526M/2526S are industrial-grade Ethernet switches that enable you to expand your industrial network fast and cost-effectively. The EKI-2525M/2526M/2526S have four 10/100 Mbps Ethernet ports, and additionally the EKI-2525M/2526M provides one or two multi-mode fiber-optic ports, while the 2526S provide one or two single-mode single-mode fiber-optic ports. Using fiber-optics, you can prevent noise from interfering with your system and supports high-speed (100 Mbps) and high-distance (up to 30 km) transmissions.

EKI-2525M/2526M/2526S have industrial-grade designs, assuring high reliability and stability in harsh environments, making it a robust bridge between enterprise fiber-optic backbones and Ethernet devices. EKI-2525M/2526M/2526S includes a switch controller that can automatically sense transmission speeds. The RJ45 interface can also be autodetected, so MDI or MDI-X is automatically selected and a crossover cable is not required. All the Ethernet ports have memory buffers that support the store and forward mechanism, assuring all data is transmitted properly.

## Specifications

### Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x
- **LAN** 10/100Base-T (X), 100Base-FX
- **Transmission Distance** Ethernet: Up to 100 m  
Multi-mode Fiber: Up to 2 km (EKI-2525M/2526M)  
Single-mode Fiber: Up to 30 km (EKI-2526S)
- **Transmission Speed** Up to 100 Mbps
- **Optical Fiber** Wavelength: 1310nm
- **Multi-Mode (EKI-2525M/EKI-2526M)** Tx Power: -14/-20 dBm  
Rx Sensitivity: -31 dBm  
Parameters: 50/125 um, 62.5/125 um
- **Single-Mode (EKI-2526S)** Wavelength: 1310 nm  
Tx Power: -8/-15 dBm  
Rx Sensitivity: -34 dBm  
Parameters: 9/125 um

### Interface

- **Connectors** 4 x RJ45 ports  
1 x SC type fiber connector (EKI-2525M) or  
2 x SC type fiber connector (EKI-2526M/S)  
6-pin removable screw terminal (Power & Relay)
- **LED Indicators** P1, P2, P-Fail  
10/100TX: Link/Activity, Duplex/Collision

### Power

- **Power Consumption** EKI-2525M: Max. 5 W  
EKI-2526M: Max. 6.41 W  
EKI-2526S: Max. 6.45 W
- **Power Input** 12 ~ 48 V<sub>DC</sub>, redundant dual inputs
- **Fault Output** 1 Relay Output

### Mechanism

- **Dimensions (W x H x D)** 37 x 140 x 95 mm (1.46" 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** EKI-2525M/2526M/2526S: -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** 610,453 hours

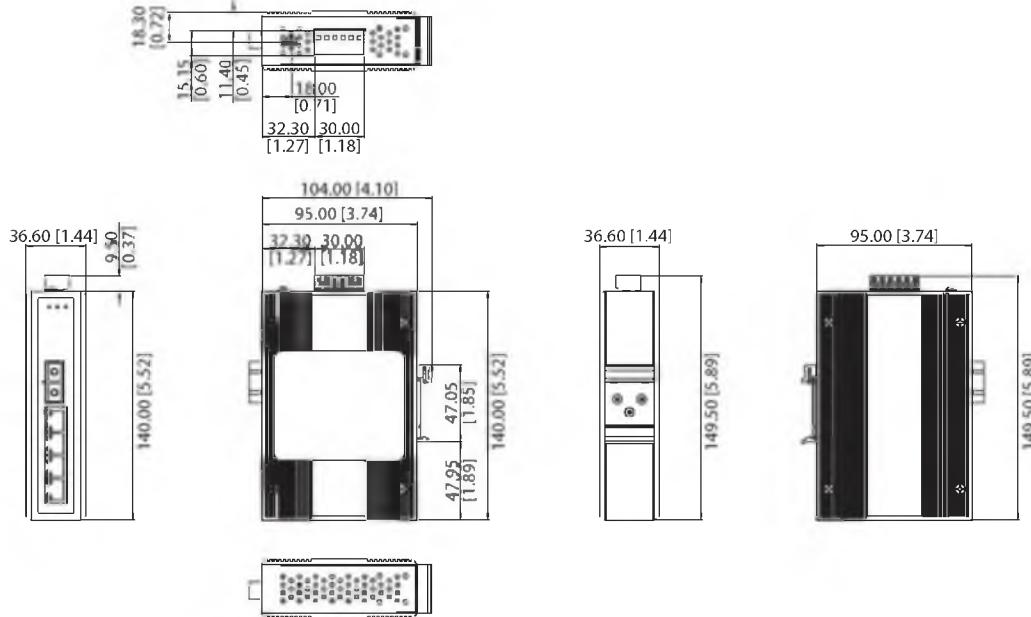
### Certification

- **Safety** UL 60950-1, CAN/CSA-C22.2 No.60950 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** IEC60068-2-27
- **Freefall** IEC60068-2-32
- **Vibration** IEC60068-2-6

## Dimensions

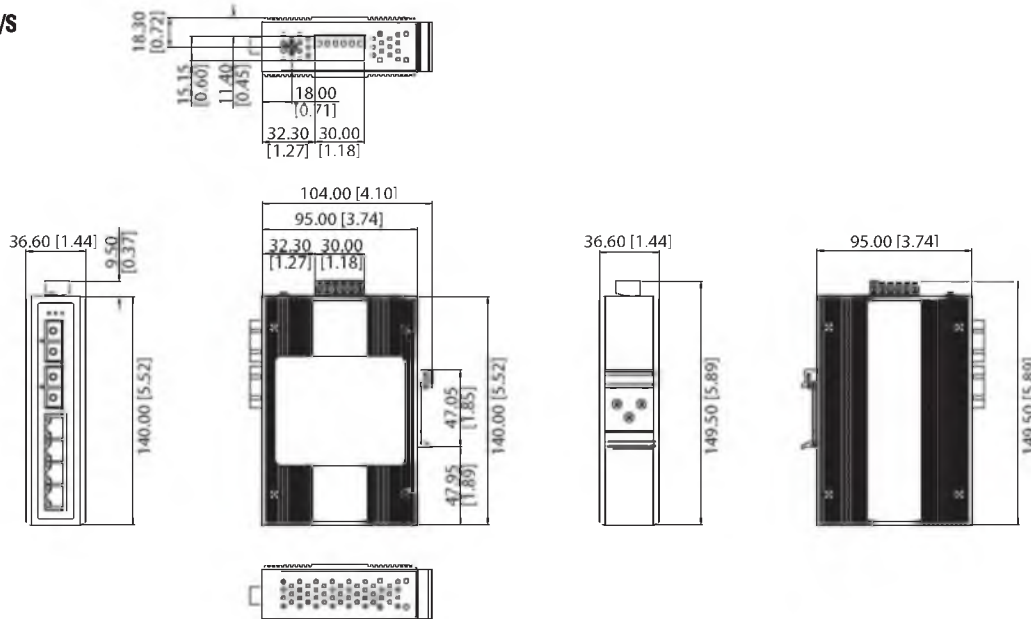
Unit: [mm]

### EKI-2525M



**Panel Cut-out Dimensions: 104 x 140 x 36.6 mm (4.1" x 5.52" x 1.44")**

### EKI-2526M/S



**Panel Cut-out Dimensions: 104 x 140 x 36.6 mm (4.1" x 5.52" x 1.44")**

## Ordering Information

- **EKI-2525M** 5-port Ethernet Switch w/ 1-port 100FX Multi-mode
- **EKI-2526M** 4-port Ethernet Switch w/ 2-port 100FX Multi-mode
- **EKI-2526S** 4-port Ethernet Switch w/ 2-port 100FX Single-mode
- **EKI-2526S-ST** 4-port Ethernet Switch w/ 2-port 100FX Single-mode (ST type connector)
- **EKI-2526M-ST** 4-port Ethernet Switch w/ 2-port 100FX Multi-mode (ST type connector)

# EKI-2728MI

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



### Features

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

### Introduction

EKI-2728MI is a cost effective unmanaged industrial Ethernet switch which supports Giga Ethernet. It supports Green Power requirement, furthermore, EKI-2728MI also supports advanced network standards to optimize network performance, reduce maintenance cost, and secure network safety.

### 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<sub>DC</sub>, 24 V<sub>AC</sub> (18 ~ 30 V<sub>AC</sub>)
- **Fault Output** 1 Relay Output, 1 A @ 24 V<sub>DC</sub>

#### Protection

- **Power Reverse** Present

#### Environment

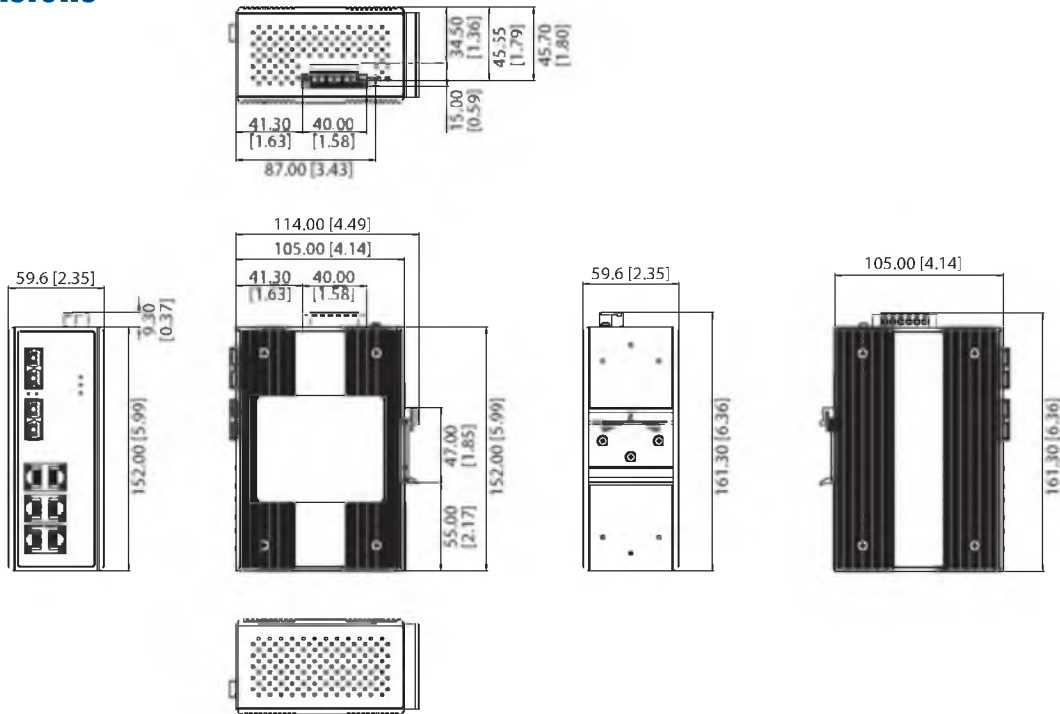
- **Operating Temperature** -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)
- **MTBF** 505,863 hours

#### 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

## Dimensions

Unit: [mm]



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

# EKI-3525

# EKI-3528

## 5-port 10/100Mbps Unmanaged Industrial Ethernet Switch

## 8-port 10/100Mbps Unmanaged Industrial Ethernet Switch

NEW



### 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 redundant 12 ~ 48 V<sub>DC</sub> power input and P-Fail relay
- In Loop detection

### Introduction

The EKI-3525/3528 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<sub>DC</sub>) 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 integrated LED will activate the alarm to notify administrators.

### Specifications

#### Communications

- Standard** IEEE 802.3, 802.3u, 802.3x, 802.1p, 802.3az
- LAN** 10/100Base-T (X)
- Transmission Distance** Up to 100 m
- Transmission Speed** Up to 100 Mbps

#### Interface

- Connectors** 8 x RJ45 (EKI-3528) or 5 x RJ45 (EKI-3525)  
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
- Packet Buffer Size** 384K bit (EKI-3525)  
768K bit (EKI-3528)
- Switch Fabric Speed** 1.0Gbps (EKI-3525)  
1.6Gbps (EKI-3528)

#### Power

- Power Consumption** EKI-3525: Max. 2.4 W  
EKI-3528: Max. 2.5 W
- Power Input** 12 ~ 48 V<sub>DC</sub>, 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-3525  
44.5 x 120 x 85.3 mm (1.75" x 4.73" x 3.35") - EKI-3528
- Enclosure** IP40, plastic and 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)
- Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- Operating Humidity** 5 ~ 95% (non-condensing)
- Storage Humidity** 0 ~ 95% (non-condensing)
- MTBF** 1,516,457 hours (EKI-3528)  
1,567,102 hours (EKI-3525)

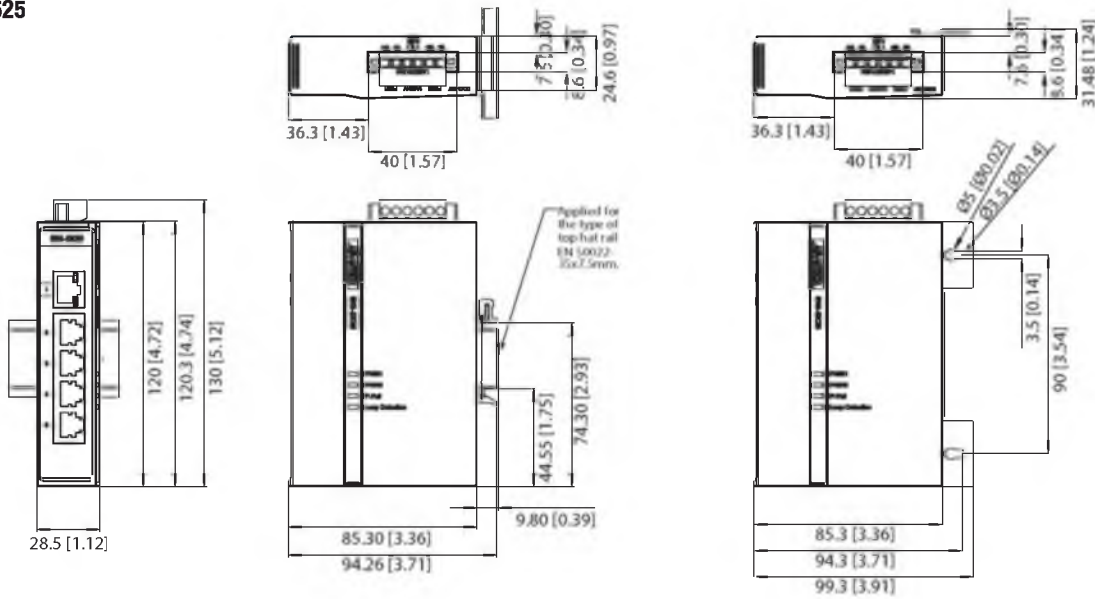
#### Certification

- Safety** UL 60950-1, CAN/CSA-C22.2 No.60950
- 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)
- Shock** IEC 60068-2-27
- Freefall** IEC 60068-2-32
- Vibration** IEC 60068-2-6

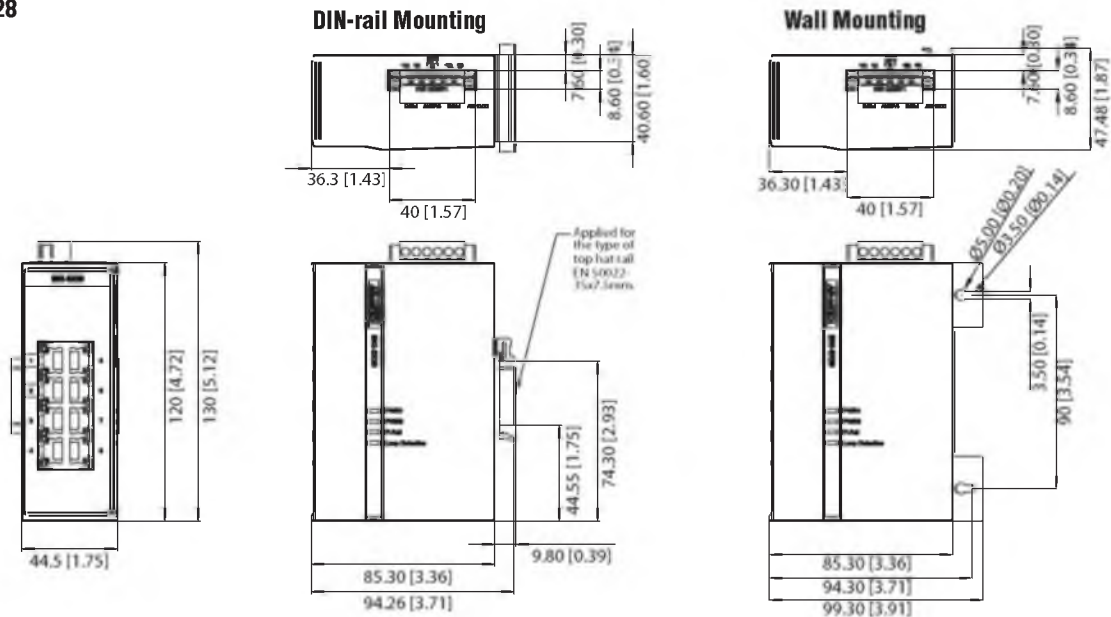
## Dimensions

Unit: mm [inch]

### EKI-3525



### EKI-3528



## Ordering Information

- EKI-3525 5-port 10/100Mbps Unmanaged Industrial Ethernet Switch
- EKI-3528 8-port 10/100Mbps Unmanaged Industrial Ethernet Switch

# EKI-3525M

# EKI-3525S

**4-port 10/100Mbps + 1-port 100FX Multi-mode Unmanaged Industrial Ethernet Switch**

**4-port 10/100Mbps + 1-port 100FX Single-mode Unmanaged Industrial Ethernet Switch**

**NEW**



EKI-3525M

EKI-3525S



## 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 redundant 12 ~ 48 V<sub>DC</sub> power input and P-Fail relay
- In Loop detection
- Provides 1 x 100 Mbps Multi/Single-mode SC type fiber optic port (EKI-3525M/S)
- Provides broadcast storm protection
- Provides flexible mounting: DIN-rail and flat wall mounting

## Introduction

The EKI-3525M/S are a new generation of products and have four 10/100 Mbps Ethernet ports, and one multi-mode or single-mode fiber-optic port. Using fiber-optics, you can prevent noise from interfering with your system and support high-speed (100 Mbps) and high-distance (up to 30 km) transmissions. A low power Ethernet design automatically adjusts power consumption by detecting the link status and cable length. Designed with one "VIP" port to get optimal bandwidth for media traffic through the VIP port users can experience better multimedia streaming performance through the 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 52.8 V<sub>DC</sub>) is dedicated to operating 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 integrated LED will activate the alarm to notify administrators.

## Specifications

### Communications

- Standard** IEEE 802.3, 802.3u, 802.3x, 802.1p, 802.3az
- LAN** 10/100Base-T(X), 100Base-FX
- Transmission Distance** Ethernet: Up to 100 m  
Multi-mode Fiber: Up to 2 km (EKI-3525M)  
Single-mode Fiber: Up to 30 km (EKI-3525S)
- Transmission Speed** Up to 100 Mbps
- Optical Fiber** Multi-Mode (EKI-3525M)
  - Wavelength: 1310nm
  - Tx Power: -14/-20 dBm
  - Rx Sensitivity: -31 dBm
  - Parameters: 50/125 um, 62.5/125 um
 Single-Mode (EKI-3525S)
  - Wavelength: 1310 nm
  - Tx Power: -8/-15 dBm
  - Rx Sensitivity: -34 dBm
  - Parameters: 9/125 um

### Interface

- Connectors** 4 x RJ45 ports, 1 x SC type fiber connector  
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
- Packet Buffer Size** 384K bit
- Switch Fabric Speed** 1.0Gbps

### Power

- Power Consumption** Max. 2.1 W
- Power Input** 12 ~ 48 V<sub>DC</sub> (8.4 ~ 52.8 V<sub>DC</sub>) 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")
- Enclosure** IP40, plastic and 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)
- Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- Operating Humidity** 5 ~ 95% (non-condensing)
- Storage Humidity** 0 ~ 95% (non-condensing)
- MTBF** 833,835 hours

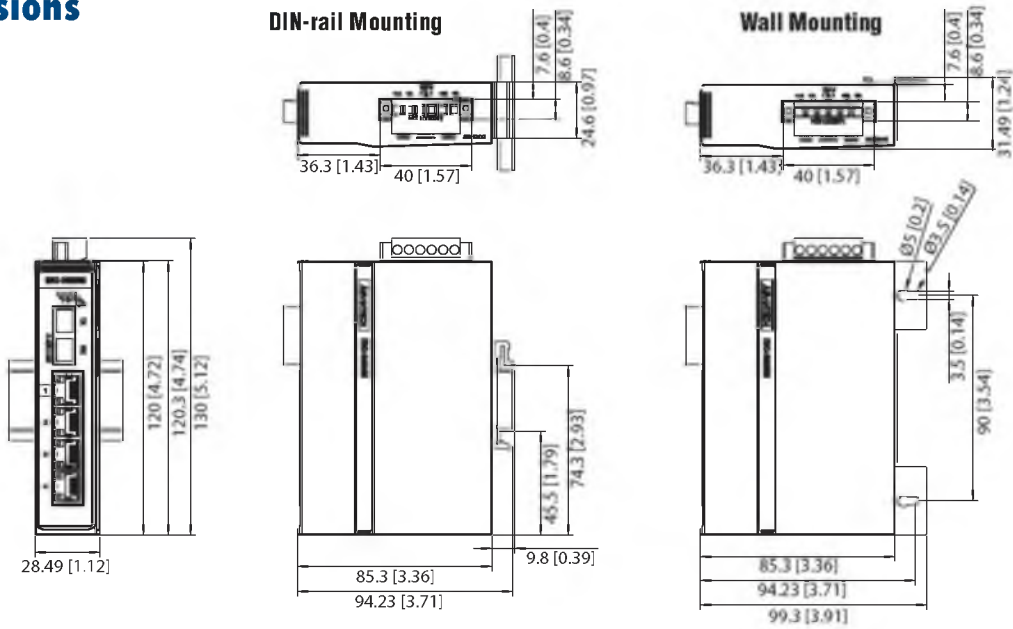
### Certifications

- Safety** UL 60950-1, CAN/CSA-C22.2 No.60950
- 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)
- Shock** IEC 60068-2-27
- Freefall** IEC 60068-2-32
- Vibration** IEC 60068-2-6

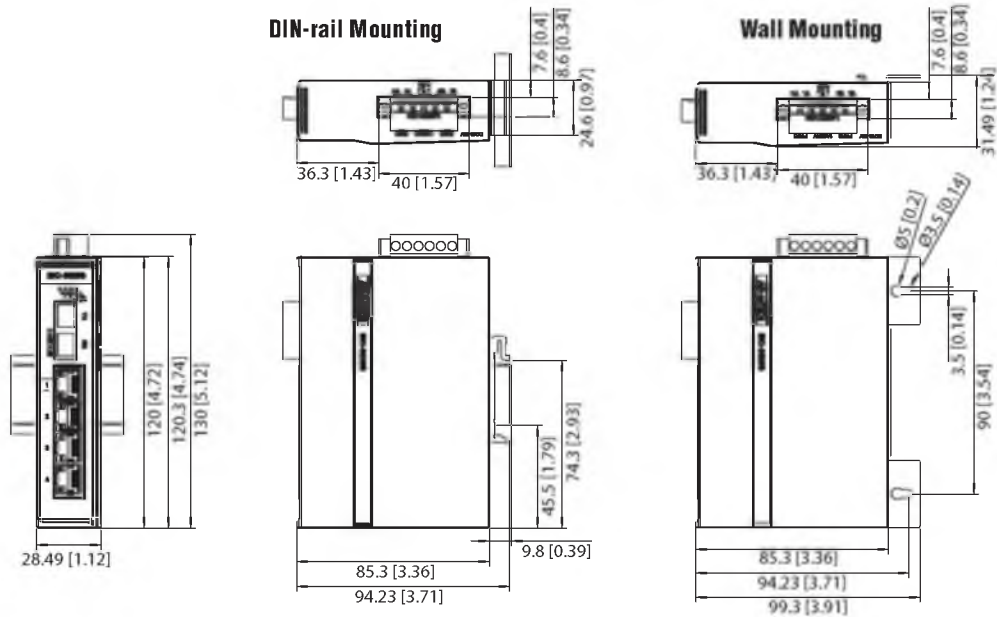


## Dimensions

### EKI-3525M



### EKI-3525S



## Ordering Information

- EKI-3525M 4-port 10/100Mbps + 1-port 100FX Multi-mode Unmanaged Industrial Ethernet Switch
- EKI-3525S 4-port 10/100Mbps + 1-port 100FX Single-mode Unmanaged Industrial Ethernet Switch

# EKI-4524I

# EKI-4524RI

24-port Ethernet Unmanaged Switch with Wide Temperature

24+2 SFP Port Unmanaged Industrial Ethernet Switch with Wide Temperature



## Features

- Backplane (Switching Fabric): 4.8 Gbps
- Provides 8K MAC address
- Supports 100 ~ 240 V<sub>AC</sub>/ V<sub>DC</sub> power input and power relay alarm
- Front panel LEDs simplify the monitoring and management
- Rear-end wiring with LED indicator (EKI-4524RI)
- Wide operating temperature -40 ~ 75°C
- 1U 19" Rack mount design

## Introduction

EKI-4524I/4524RI are designed for power automation systems and supports 24 Fast Ethernet ports and 2 x 100Base SFP slots for different SFP modules in any application. EKI-4524I/4524RI has wide range voltage power input which provides convenient and uninterrupted power supply. EKI-4524RI has two sides (Front and Rear) LED indicator to show the link status conveniently. It also provides relay output for an event alarm. Quick notification and fast response time can shorten service procedures and reduce data loss in the field.

## Specifications

### Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x
- **LAN** 10/100Base-TX
- **Transmission Distance** Ethernet: Up to 100 m  
SFP: Up to 30 km (depends on SFP)
- **Transmission Speed** Up to 100 Mbps

### Interface

- **Connectors** 24 x RJ45 (Ethernet)  
2 x SFP (mini-GBIC) ports (EKI-4524RI)
- **LED Indicators** System: PWR  
Copper: Link/Activity, Speed  
SFP: Link/Activity

### Mechanism

- **Enclosure** IP30, metal shell with solid mounting kits
- **Dimensions (W x H x D)** 440 x 44 x 280 mm (17.31" x 1.73" x 11.02") (EKI-4524RI)  
440 x 44 x 224 mm (17.31" x 1.73" x 8.81") (EKI-4524I)
- **Mounting** 1U 19" Rack mount

### Power

- **Power Input** 100 ~ 240 V<sub>AC</sub> 50/60 Hz  
100 ~ 240 V<sub>DC</sub>
- **Fault Output** 1 Relay Output (20 mA @ 250 V<sub>CC</sub>)

### Protection

- **Power Reverse** Present

### Environment

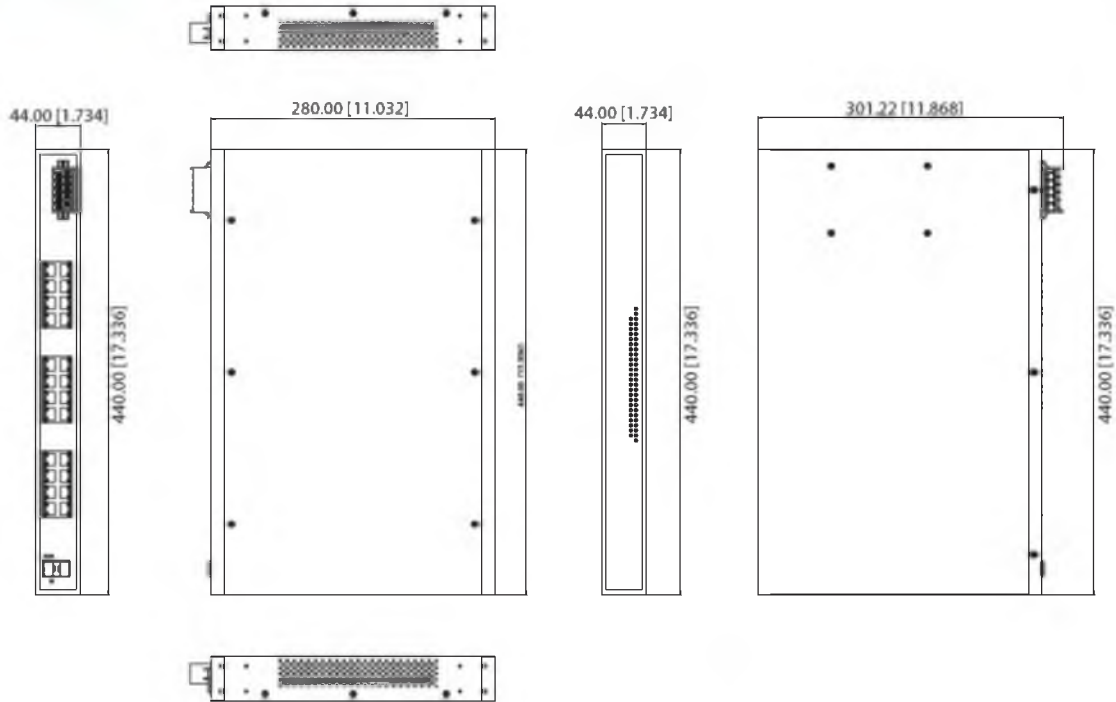
- **Operating Temperature** -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 5 ~ 95% (non-condensing)

### Certification

- **EMI** FCC Part 15 Subpart B Class A
- **EMS** EN 61000-4-2, Level 4  
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  
EN 61000-4-11
- **Shock** IEC 60068-2-27
- **Freefall** IEC 60068-2-32
- **Vibration** IEC 60068-2-6

## Dimensions

Unit: [mm]



**Panel Cut-out Dimensions: 280 x 440 x 44 mm (11.032" x 17.336" x 1.734)**

## Ordering Information

- **EKI-4524I** 24FE Ethernet Switch w/ Wide Temp
- **EKI-4524RI** 24FE+2 FX-SFP Port Ethernet Switch w/ Wide Temp

# EKI-75261

## 16-port Unmanaged Industrial Ethernet Switch with Wide Temperature Range



### Features

- Provides 16 10/100 Mbps Ethernet ports with RJ45 connector
- Supports Auto Negotiation and Auto MDI/MDI-X
- Provides flexible mounting: DIN-rail and Wall mount
- Supports Dual 12 ~ 48 V<sub>DC</sub> power input and 1 relay output
- Supports wide operating temperature -40~75°C

### Introduction

EKI-75261 are cost effective unmanaged industrial Ethernet switches which support 16 x 10/100Base-TX fast Ethernet ports.. The long MTBF (Mean Time Between Failures) ensures low operation and maintenance costs. All Ethernet ports have memory buffers that support the store-and-forward mechanism, which assures that data can be transmitted properly. EKI-75261 supports advanced network standards to optimize network performance, reduce maintenance costs, and secure network safety..

### Specifications

#### Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x
- **LAN** 10/100Base-T (X), Optional 100Base-FX
- **Transmission Distance** Ethernet: Up to 100 m (4- wire Cat.5e)  
Multi-mode Fiber: Up to 2 km
- **Transmission Speed** Ethernet:10/100 Mbps Auto-Negotiation

#### Interface

- **Connectors** 16 x RJ45 (Ethernet)  
6-pin removable screw terminal (Power & Relay)
- **LED Indicators** System: PWR1, PWR2, P-Fail  
10/100T (X): Link/Activity, Duplex/Collision

#### Power

- **Power Consumption** Max. 8.9 W
- **Power Input** 12 ~ 48 V<sub>DC</sub>, redundant dual inputs
- **Fault Output** 1 Relay Output

#### Mechanism

- **Dimensions (W x H x D)** 79 x 152 x 105 mm (3.11" x 5.98" x 4.13")
- **Enclosure** IP30, Metal shell with solid mounting kits
- **Mounting** DIN-rail, Wall

#### Protection

- **Reverse Polarity** Present
- **Overload Current** Present

#### Environment

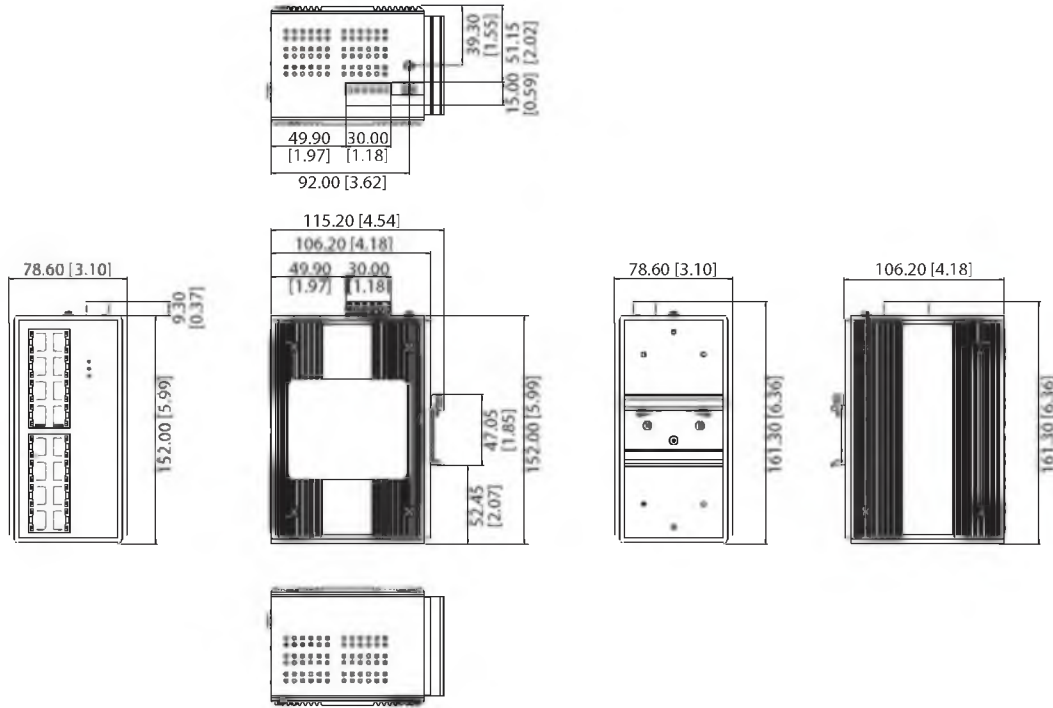
- **Operating Temperature** -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)
- **MTBF** 237,130 hours

#### Certification

- **Safety** UL 508
- **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]



**Panel Cut-out Dimensions: 115.2 x 152 x 78.6 mm (4.54" x 5.99" x 3.1")**

## Ordering Information

- EKI-7526I 16FE Unmanaged Ethernet Switch w/Wide Temp

# EKI-7529MI/ST

## 8+2 Multi-Mode Fiber Optic Industrial Unmanaged Ethernet Switch with Wide Temperature



### Features

- Provides ST type fiber optic ports plus 8 Fast Ethernet ports
- Supports Auto Negotiation and Auto MDI/MDI-X
- Provides flexible mounting: DIN-rail and Wall mount
- Supports Dual 12 – 48 V<sub>DC</sub> power input and 1 relay output
- Enable or disable broadcast storm protection through a simple dip switch
- Supports wide operating temperatures -40 – 75°C

### Introduction

EKI-7529MI/ST come equipped with 8 x 10/100Base-TX fast Ethernet ports. Traditional ST fiber optic ports can be used for uplinking and long distance transmissions to flexibly fit field requests. The RJ45 interface can also be auto-detected, so MDI or MDI-X is automatically selected and a cross-over cable is not required. All Ethernet ports have memory buffers that support the store-and-forward mechanism, which assures that data can be transmitted properly. Furthermore, the power line of EKI-7529MI/ST supports Surge and EFT protection which secure equipment against unregulated voltage and make systems safer and more reliable.

### Specifications

#### Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x
- **LAN** 10/100Base-T (X), Optional 100Base-FX
- **Transmission Distance** Ethernet: Up to 100 m  
Multi-mode Fiber: Up to 2 km

#### Transmission Speed

- **Ethernet:** Port 1– 2: 10 Mbps  
Port 3– 8: 10/100 Mbps Auto-Negotiation

#### interface

- **Connectors** 8 x RJ45 (Ethernet) with 2 x ST-type fiber optic connectors  
6-pin removable screw terminal (Power & Relay)
- **LED Indicators** System: PWR1, PWR2, P-Fail  
10/100T (X): Link/Activity, Duplex/Collision
- **Dip Switch** DIP1 (Port 1 and 2): ON: 10M Full Force/  
OFF: 10M Full Auto-Negotiation
- DIP2: ON: Broadcast Storm filter enable/  
OFF: Broadcast Storm filter Disable

#### Power

- **Power Consumption** Max. 6.7W
- **Power Input** 12 – 48 V<sub>DC</sub>, redundant dual inputs
- **Fault Output** 1 Relay Output

#### Mechanism

- **Dimensions (W x H x D)** 79 x 152 x 105 mm (3.11" x 5.98" x 4.13")
- **Enclosure** IP30, Metal shell with solid mounting kits
- **Mounting** DIN-rail, Wall

#### Protection

- **Reverse Polarity** Present

#### Environment

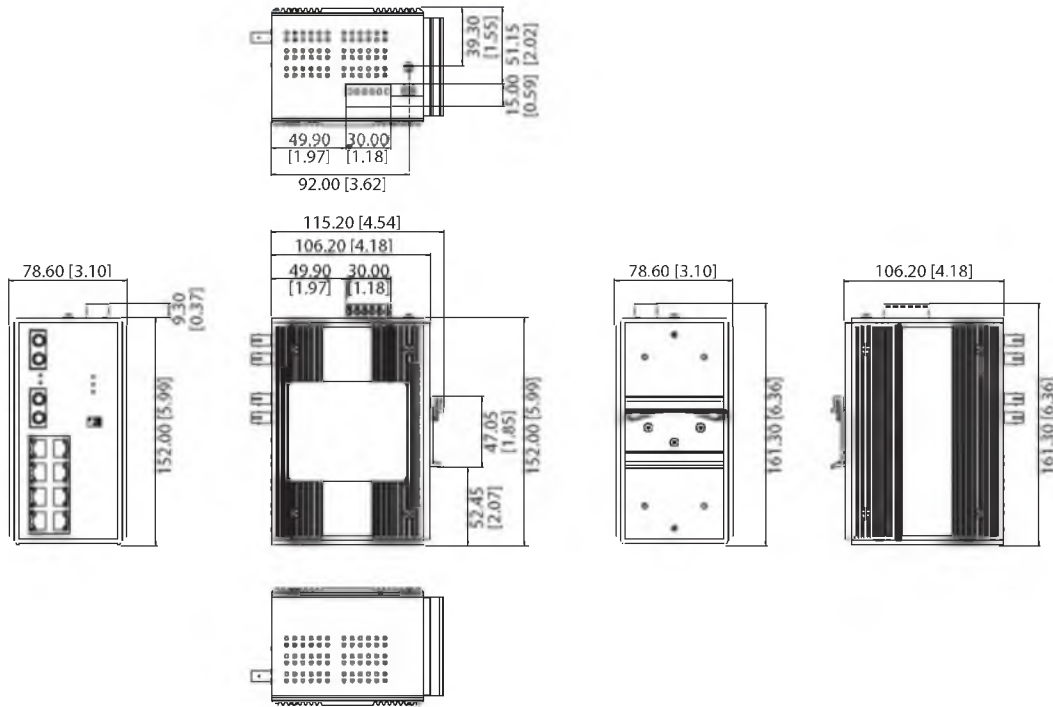
- **Operating Temperature** -40 – 75°C (-40 – 167°F)
- **Storage Temperature** -40 – 85°C (-40 – 185°F)
- **Operating Humidity** 5 – 95% (non-condensing)
- **Storage Humidity** 0 – 95% (non-condensing)
- **MTBF** 289,329 hours

#### Certification

- **Safety** UL 508
- **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]



**Panel Cut-out Dimensions: 115.2 x 152 x 78.6 mm (4.54" x 5.99" x 3.1")**

## Ordering Information

- EKI-7529MI/ST 8 + 2-port Multi-mode Fiber Ethernet Switch w/ ST and Wide Temp

# EKI-7626C/CI

## 16+2G Combo Port Gigabit Unmanaged Industrial Ethernet Switch



### Features

- Provides 2 Gigabit Copper/SFP combo port plus 16 Fast Ethernet ports (EKI-7626C/CI)
- SFP socket for Easy and Flexible Fiber Expansion
- Supports Auto Negotiation and Auto MDI/MDI-X
- Provides flexible mounting: DIN-rail and Wall mount
- Supports Dual 12 – 48 V<sub>DC</sub> power input and 1 relay output
- Supports wide operating temperatures from -40 to 75°C (EKI-7626C/CI)

### Introduction

Aside from 2 Gigabit fiber optic/copper combo ports, the EKI-7626C/CI comes equipped with 16 x 10/100Base-T (X) fast Ethernet ports. Traditional RJ45 ports can be used for up-linking wide-band paths in short distances (< 100 m), or the appropriate replaceable SFP module can be used for the application of wideband uploading and long distance transmissions to flexibly fit field requests. The long MTBF (Mean Time Between Failures) ensures low operation and maintenance cost. EKI-7626C/CI includes a switch controller that can automatically sense transmission speeds (10/100 Mbps) The RJ45 interface can also be auto-detected, so MDI or MDI-X is automatically selected and a cross-over cable is not required. All Ethernet ports have memory buffers that support the store-and-forward mechanism, which assures that data can be transmitted properly

### Specifications

#### Communications

- **Standard** IEEE 802.3, 802.3ab, 802.3u, 802.3x, 802.3z
- **LAN** 100Base-TX, 10/100Base-T, Optional 100Base-FX, 1000Base-SX/LX/LHX/XD/ZX/EZX
- **Transmission Distance** Ethernet: Up to 100 m (4-wire Cat.5e, Cat.6 RJ45 cable suggested for Gigabit port)  
Gigabit Fiber: Up to 110 km (depending on SFP)
- **Transmission Speed** Ethernet: 10/100 Mbps Auto-Negotiation  
Gigabit Copper: 10/100/1000 Mbps, Auto-Negotiation  
SFP: Up to 1000 Mbps

#### Interface

- **Connectors** 16 x RJ45 (Ethernet) with 2 x RJ45/SFP (mini-GBIC) combo ports (EKI-7626C/CI)  
6-pin removable screw terminal (Power & Relay)
- **LED Indicators** System: PWR1, PWR2, P-Fail  
Gigabit Copper: Link/Activity, Speed (1000 Mbps)  
Gigabit SFP: Link/Activity

#### Power

- **Power Consumption** Max. 6.5 W
- **Power Input** 12 – 48 V<sub>DC</sub>, redundant dual inputs
- **Fault Output** 1 Relay Output

#### Mechanism

- **Dimensions (W x H x D)** 79 x 152 x 105 mm (3.11" x 5.98" x 4.13")
- **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)  
Wide Temp. Model -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** 295,000 hours

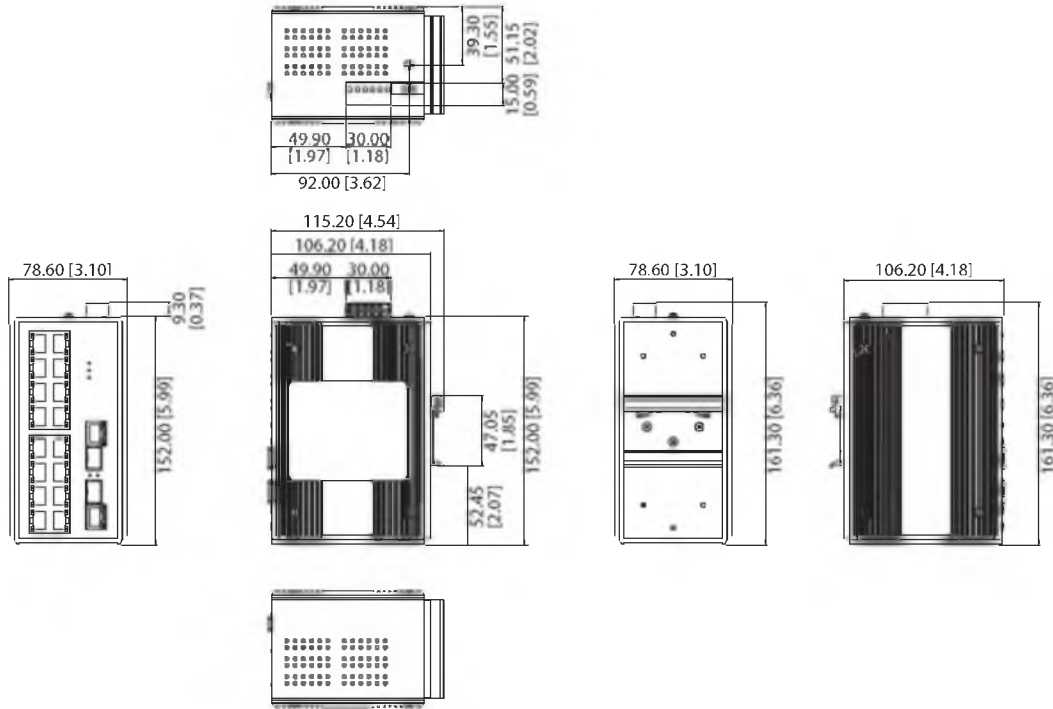
#### Certification

- **Safety** UL 60950-1, CAN/CSA-C22.2 No.60950
- **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]



**Panel Cut-out Dimensions: 115.2 x 152 x 78.6 mm (4.54" x 5.99" x 3.1")**

## Ordering Information

- EKI-7626C 16+2G Combo Port Unmanaged Ethernet Switch
- EKI-7626CI 16+2G Combo Port Unmanaged Ethernet Switch w/ Wide Temp

# EKI-2525/I

# EKI-2528/I

## 5-port Unmanaged Industrial Ethernet Switch

## 8-port Unmanaged Industrial Ethernet Switch



### 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 V<sub>DC</sub> 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<sub>DC</sub> redundant input design, and is secured with a double protection mechanism: Power Polarity Reverse Protect and an Overload Current Resettable 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-2528: Max. 5 W  
EKI-2525: Max. 3 W
- **Power Input** 12 ~ 48 V<sub>DC</sub>, redundant dual inputs
- **Fault Output** 1 Relay Output

#### Mechanism

- **Dimensions (W x H x D)** 37 x 140 x 95 mm (1.46" 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** 5 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)
- **MTBF** 689,000 hours (EKI-2528)  
412,590 hours (EKI-2525)

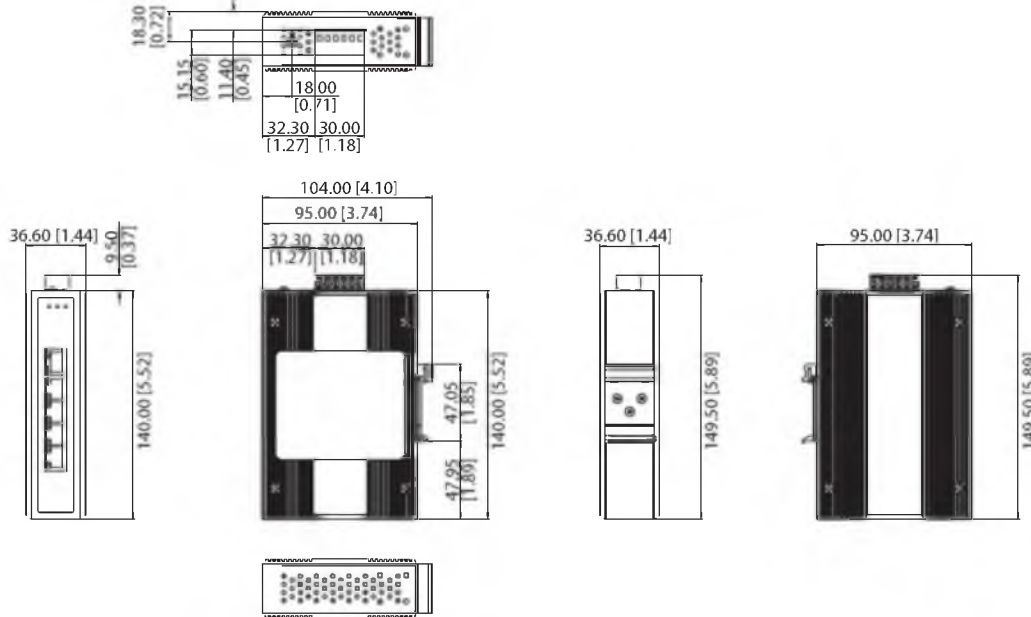
#### Certification

- **Safety** UL 60950-1, CAN/CSA-C22.2 No.60950  
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

## Dimensions

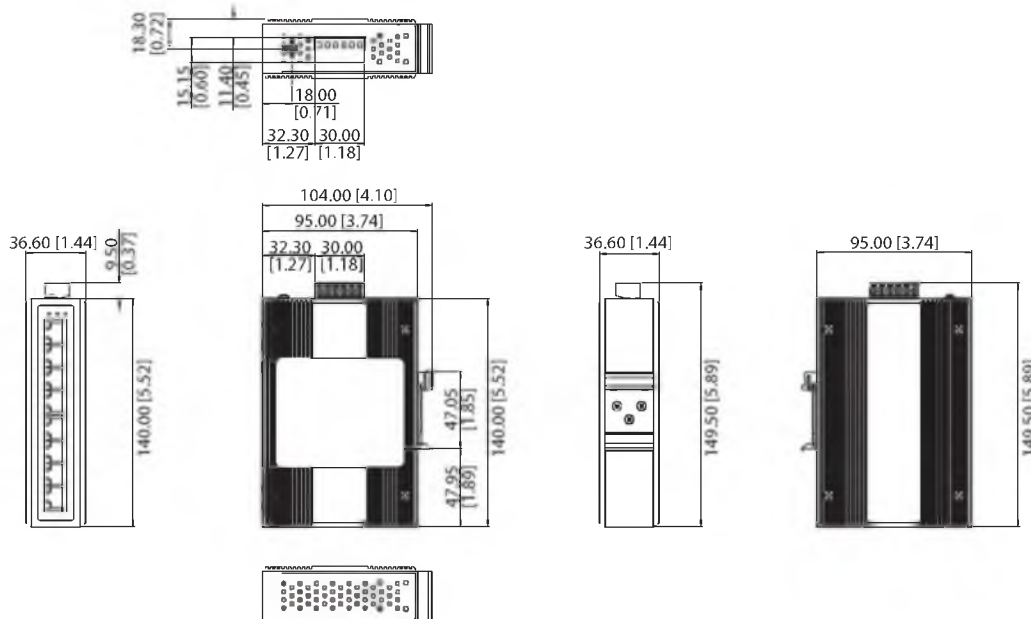
Unit: [mm]

### EKI-2525/I



Panel Cut-out Dimensions: 104 x 140 x 36.6 mm (4.1" x 5.52" x 1.44")

### EKI-2528/I



Panel Cut-out Dimensions: 104 x 140 x 36.6 mm (4.1" x 5.52" x 1.44")

## Ordering Information

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

# EKI-2725

# EKI-2728

## 5-port Gigabit Unmanaged Industrial Ethernet Switch

## 8-port Gigabit Unmanaged Industrial Ethernet Switch



### Features

- Provides 5/8 Gigabit Ethernet ports with Auto MDI/MDI-X
- Supports 10/100/1000 Mbps Auto Negotiation
- Supports jumbo frame transmission up to 9kbytes
- Provides Slim size, DIN-rail with IP30 metal mechanism
- Supports Redundant 12 ~ 48 V<sub>DC</sub> power input and P-Fail Relay
- Provides broadcast storm protection

### Introduction

The EKI-2725/2728 supports Gigabit Ethernet. The power is a +12 ~ 48 V<sub>DC</sub> redundant input design, and is secured with a double protection mechanism: Power Polarity Reverse Protect and an Overload Current Resettable Fuse. The former tolerates reverse power wiring while the later secures the system from overload currents. As the power supply turns normal, EKI-2725/2728 will automatically get back to normal operation state. Each port of EKI-2725/2728 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-2725/2728 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, 802.3ab
- **LAN** 100Base-TX, 10/1000Base-T
- **Transmission Distance** Up to 100 m (4-wire Cat.5e, Cat.6 RJ45 cable)
- **Transmission Speed** Up to 1000 Mbps

#### Interface

- **Connectors** 5 x RJ45 (EKI-2725) or 8 x RJ45 (EKI-2728)  
6-pin removable screw terminal (power & relay)
- **LED Indicators** P1, P2, P-Fail  
10/100/1000T (X): Link/Activity, Duplex/Collision

#### Power

- **Power Consumption** Max. 4.6W
- **Power Input** 12 ~ 48 V<sub>DC</sub>, redundant dual inputs
- **Fault Output** 1 Relay Output

#### Mechanism

- **Dimensions (W x H x D)** 37 x 140 x 95 mm (1.46" x 5.51" x 3.74")
- **Enclosure** IP30, Metal shell with solid mounting kits
- **Mounting** DIN-rail, Wall

#### Protection

- **Power Reverse** Present
- **Overload 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** 627,958 hours

#### Certifications

- **Safety** UL 60950-1, CAN/CSA-C22.2 No.60950  
Class I, Division 2 (EKI-2728)
- **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

### Ordering Information

- **EKI-2725** 5-port Gigabit Unmanaged Ethernet Switch
- **EKI-2728** 8-port Gigabit Unmanaged Ethernet Switch

# EKI-7629C/CI

## 8+2G Combo Port Gigabit Unmanaged Industrial Ethernet Switch



### Features

- Provides 2 Gigabit Copper/SFP combo port plus 8 Fast Ethernet ports (EKI-7629C/CI)
- SFP socket for Easy and Flexible Fiber Expansion
- Supports Auto Negotiation and Auto MDI/MDI-X
- Provides flexible mounting: DIN-rail and Wall mount
- Supports Dual 12 ~ 48 V<sub>DC</sub> power input and 1 relay output
- Supports wide operating temperatures from -40 to 75°C (EKI-7629C/CI)

### Introduction

Aside from 2 Gigabit fiber optic/copper combo ports, the EKI-7629C/CI comes equipped with 8 x 10/100Base-TX fast Ethernet ports. Traditional RJ45 ports can be used for up-linking wide-band paths in short distances (< 100 m), or the appropriate replaceable SFP module can be used for the application of wideband uploading and long distance transmissions to flexibly fit field requests. The long MTBF (Mean Time Between Failures) ensures low operation and maintenance cost. EKI-7629C/CI includes a switch controller that can automatically sense transmission speeds (10/100 Mbps). The RJ45 interface can also be auto-detected, so MDI or MDI-X is automatically selected and a cross-over cable is not required. All Ethernet ports have memory buffers that support the store-and-forward mechanism, which assures that data can be transmitted properly.

### Specifications

#### Communications

- **Standard** IEEE 802.3, 802.3ab, 802.3u, 802.3x, 802.3z
- **LAN** 100Base-TX, 10/1000Base-T, Optional 100Base-FX, 1000Base-SX/LX/LHX/XD/ZX/EZX
- **Transmission Distance** Ethernet: Up to 100 m (4-wire Cat.5e, Cat.6 RJ45 cable suggested for Gigabit port)  
Gigabit Fiber: Up to 110 km (depending on SFP)
- **Transmission Speed** Ethernet: 10/100 Mbps Auto-Negotiation  
Gigabit Copper: 10/100/1000 Mbps, Auto-Negotiation  
SFP: Up to 1000 Mbps

#### Interface

- **Connectors** 8 x RJ45 (Ethernet) with 2 x RJ45/SFP (mini-GBIC) combo ports (EKI-7629C/CI)  
6-pin removable screw terminal (Power & Relay)
- **LED Indicators** System: PWR1, PWR2, P-Fail  
Gigabit Copper: Link/Activity, Speed (1000 Mbps)  
Gigabit SFP: Link/Activity

#### Power

- **Power Consumption** Max. 6.5 W
- **Power Input** 12 ~ 48 V<sub>DC</sub>, redundant dual inputs
- **Fault Output** 1 Relay Output

#### Mechanism

- **Dimensions (W x H x D)** 79 x 152 x 105 mm (3.11" x 5.98" x 4.13")
- **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)  
Wide Temp. Model -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** 295,000 hours

#### Certification

- **Safety** UL 60950-1, CAN/CSA-C22.2 No.60950
- **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

### Ordering Information

- **EKI-7629C** 8+2G Combo Port Unmanaged Ethernet Switch
- **EKI-7629CI** 8+2G Combo Port Unmanaged Ethernet Switch w/ Wide Temp

# EKI-7629CP/CPI

## 8+2G Combo Port Gigabit Unmanaged Industrial Ethernet PoE Switch



### Features

- Provides 2 Gigabit Copper/SFP combo port plus 8 PoE injector ports
- SFP socket for Easy and Flexible Fiber Expansion
- Supports Auto Negotiation and Auto MDI/MDI-X
- Provides flexible mounting: DIN-rail and Wall mount
- Supports Dual 48 V<sub>DC</sub> power input and 1 relay output
- Supports wide operating temperatures from -40 to 75°C (EKI-7629CPI)

### Introduction

Aside from 2 Gigabit fiber optic/copper combo ports, the EKI-7629CP/CPI comes equipped with 8 x 10/100Base-TX fast Ethernet PoE injector ports. Traditional RJ45 ports can be used for up-linking wide-band paths in short distances (< 100 m), or the appropriate replaceable SFP module can be used for the application of wideband uploading and long distance transmissions to flexibly fit field requests. The long MTBF (Mean Time Between Failures) ensures low operation and maintenance cost. EKI-7629CP/CPI includes a switch controller that can automatically sense transmission speeds (10/100 Mbps). The RJ45 interface can also be auto-detected, so MDI or MDI-X is automatically selected and a cross-over cable is not required. All Ethernet ports have memory buffers that support the store-and-forward mechanism, which assures that data can be transmitted properly.

### Specifications

#### Communications

- **Standard** IEEE 802.3, 802.3ab, 802.3u, 802.3x, 802.3z, 802.3af
- **LAN** 100Base-TX, 10/1000Base-T, Optional 100Base-FX, 1000Base-SX/LX/LHX/XD/ZX/EZX
- **Transmission Distance** Ethernet: Up to 100 m (4-wire Cat.5e, Cat.6 RJ45 cable suggested for Gigabit port)  
Gigabit Fiber: Up to 110 km (depending on SFP)
- **Transmission Speed** Ethernet: 10/100 Mbps Auto-Negotiation  
Gigabit Copper: 10/100/1000 Mbps, Auto-Negotiation  
SFP: Up to 1000 Mbps

#### Interface

- **Connectors** 8 x RJ45 (Ethernet) with 2 x RJ45/SFP (mini-GBIC) combo ports  
6-pin removable screw terminal (Power & Relay)
- **LED Indicators** System: PWR1, PWR2, P-Fail, PoE  
Gigabit Copper: Link/Activity, Speed (1000 Mbps)  
Gigabit SFP: Link/Activity

#### Power

- **Power Consumption** 116W (Full load PoE)
- **Power Input** 48 V<sub>DC</sub>, redundant dual inputs
- **Fault Output** 1 Relay Output

#### Mechanism

- **Dimensions (W x H x D)** 79 x 152 x 105 mm (3.11" x 5.98" x 4.13")
- **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) (EKI-7629CP)  
Wide Temp. Model -40 ~ 75°C (-40 ~ 167°F) (EKI-7629CPI)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)
- **MTBF** 267,793 hours

#### Certification

- **Safety** UL 60950-1, CAN/CSA-C22.2 No.60950
- **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

### Ordering Information

- **EKI-7629CP** 8+2G Combo Port Unmanaged Ethernet PoE Switch
- **EKI-7629CPI** 8+2G Combo Port Unmanaged Ethernet PoE Switch w/ Wide Temp

**По вопросам продаж и поддержки обращайтесь:**

Архангельск (8182)63-90-72  
Астана +7(7172)727-132  
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Орел (4862)44-53-42  
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Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78

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Сочи (862)225-72-31  
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Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
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Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93