



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# 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**



EKI-2525M

EKI-2526M/S



## 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

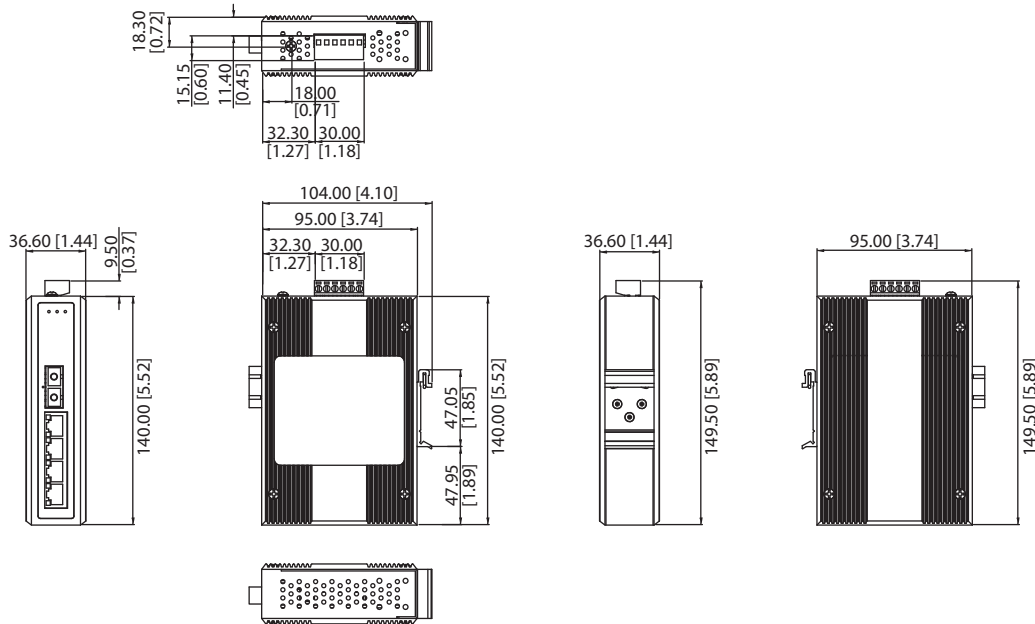
### Certification

- 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

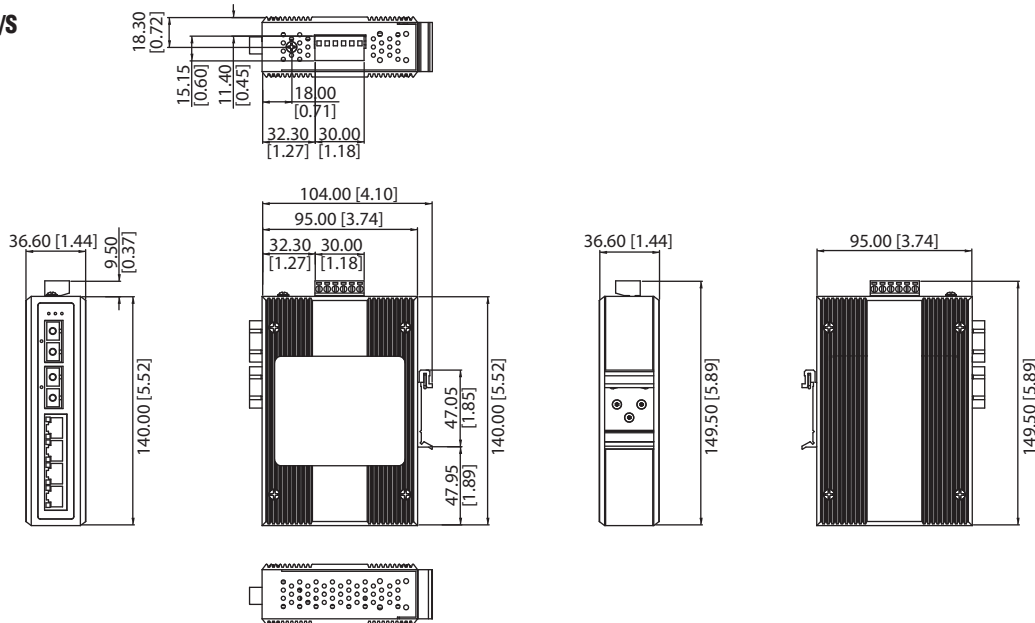
Unit: [mm]

### 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-2526S-ST | 4-port Ethernet Switch w/ 2-port 100FX Single-mode (ST type connector) |
| ▪ EKI-2526M | 4-port Ethernet Switch w/ 2-port 100FX Multi-mode  | ▪ EKI-2526M-ST | 4-port Ethernet Switch w/ 2-port 100FX Multi-mode (ST type connector)  |
| ▪ EKI-2526S | 4-port Ethernet Switch w/ 2-port 100FX Single-mode |                |  |