EKI-2526M/S

6-port Industrial Unmanaged Ethernet Switch with 2-port 100FX

NEW

CE   FCC   (UL)

Features

- Provides 4 x 10/100 Mbps Ethernet ports with RJ-45 connector
- 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 surge (EFT) protection (3,000 VDC)
- Provides 4,000 VDC Ethernet ESD protection
- Provides broadcast storm protection
- Embedded with a switch controller, supports auto-negotiation
- Embedded with a memory buffer, supports store and forward transmission
- Provides Redundant 12 ~ 48 VDC power input
- Provides flexible mounting: DIN-rail, Panel mounting
- Supports operating temperatures from -10 ~ 60° C

Introduction

EKI-2526M/S are industrial-grade Ethernet switches that enable you to expand your industrial network fast and cost-effectively. The EKI-2526M/S have four 10/100 Mbps Ethernet ports, and additionally the EKI-2526M provides two multi-mode fiber-optic ports, while the EKI-2526S provides two 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-2526M/S 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-2526M/S includes a switch controller that can automatically sense transmission speeds. The RJ-45 interface can also be auto-detected, 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-TX, 100Base-FX
- **Transmission Distance**   Ethernet: Up to 100 m
                             Multi-mode Fiber: Up to 2 km
                             Single-mode Fiber: Up to 30 km
- **Transmission Speed**   Up to 100 Mbps

Interface

- **Connectors**   4 x RJ-45 ports
                             2 x SC type fiber connector
                             6-pin removeable screw terminal (Power & Relay)
- **LED Indicators**   P1, P2, P-Fail
                             10/100TX: Link/Activity, Duplex/Collision

Power

- **Power Consumption**   Max. 3 W
- **Power Input**   2 x Unregulated 12 ~ 48 V_{DC}
- **Fault Output**   1 Relay Output

Mechanism

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

Protection

- **ESD (Ethernet)**   4,000 V_{DC}
- **Surge (EFT for power)**   3,000 V_{DC}
- **Reverse Polarity**   Present
- **Overload**   1.8A/60V Resetable Fuse

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**   610,453 hrs

Certifications

- **Safety**   UL 60950-1, CAN/CSA-C22.2 No.60950
- **EMC**   U.S.A.: FCC Part 15 CISPR 22
                             EU: EN55011, EN61000-6-4
                                 EN55022 Class A,
                                   EN61000-3-2/3
                                 EN55024
                                   IEC61000-4-2/3/4/5/6/8/11/12
                                 EN61000-6-2
- **Shock**   IEC60068-2-27
- **Freefall**   IEC60068-2-32
- **Vibration**   IEC60068-2-6

Ordering Information

- **EKI-2526M**   6-port Industrial Unmanaged Ethernet Switch with
                             2 x Multi-mode SC Type Fiber Optic Port
- **EKI-2526S**   6-port Industrial Unmanaged Ethernet Switch with
                             2 x Single-mode SC Type Fiber Optic Port