

EKI-7529MI

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



Features

- Provides SC or ST type fiber optic ports plus 8 Fast Ethernet ports
- Supports Auto Negotiation and Auto MDI/MDI-X
- Provides flexible mounting: DIN-rail or wallmounting
- Supports Dual 12 ~ 48 V_{DC} 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

Aside from 2 SC or ST type ports, the EKI-7529MI or EKI-7529MI/ST come equipped with 8 x 10/100Base-TX fast Ethernet ports. Traditional SC or ST fiber optic ports can be used for uplinking and long distance transmissions to flexibly fit field requests. The RJ-45 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 or 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 2km

Transmission Speed

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

Interface

- **Connectors** 8 x RJ-45 (Ethernet) with 2 x SC or 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-Negation
- DIP2: ON: Broadcast Storm filter enable/
OFF: Broadcast Storm filter Disable

Power

- **Power Consumption** Max. 6.7W
- **Power Input** 12 ~ 48 V_{DC}, redundant dual inputs
- **Fault Output** 1 Relay Output
- **Mechanism**
- **Dimensions (W x H x D)** 79 x 152 x 105 mm
- **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** 289,518 hrs, EKI-7529MI
289,329 hrs, EKI-7529MI/ST

Certifications

- **Safety** UL 508
- **EMC** U.S.A.: FCC Part 15 CISPR 22
EU: EN55011, EN61000-6-4, EN55022 Class A,
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-7529MI** 8+2MM Fiber Ethernet Switch w/ Wide Temp
- **EKI-7529MI/ST** 8+2MM Fiber Ethernet Switch w/ ST and Wide Temp