EKI-2541ML **EKI-2541SL**

10/100T (X) to Multi-Mode SC Type **Fiber Optic Media Converter** 10/100T (X) to Single-Mode SC Type **Fiber Optic Media Converter**



Features

- 1 x 10/100 Mbps Ethernet port with RJ45 connector
- 1 x 100 Mbps Multi-mode/Single-mode SC type fiber port
- Full/Half duplex flow control and Auto-negotiation
- MDI/MDI-X auto-crossover
- Cost-Effective



Introduction

The EKI-2541ML/2541SL is designed to convert Ethernet networks to fiber networks by transparently converting Liber let signals to optic signals. The advantages of fiber optics are wide bandwidth, EMI immunity and long-distance transmissions. Therefore, the EKI-2541ML/2541SL is an ideal so utilities to building applications at central offices or local sites. EKI-2541ML/2541SL supports MDI/MDIX auto detection, so you don't need to use crossover wire: Fix hermore, the EKI-2541ML/SL can work normally from 0 to 50°C and also is the most cost-effective solution for fiber optic media converter.

Specifications

Communications

Standard IEEE 802.3, 802.3u, 802.3x LAN 10/100Base-T (X), 100Base-FX • Transmission Distance Ethernet: Up to 100 m Fiber: Multi-mode: up to 2 km Fiber: Single-mode: up to 40 km Up to 100 Mbps

Transmission Speed

Optical Fiber Multi-mode

Wavelength: 1010 nm Tx Power: -14/-2c dBm Rx Sens.'ti /ity. 32 dBm (EKI-2541ML)

Parameters, 50/125 um.62.5/125 um Wavelength: 1310 nm

Single-mode (EKI-2541SL) Tx Power: -8/-15 dBm Rx Sensitivity: -34 dBm Parameters: 9/125 um

Interface

Connectors 1 x RJ45

1 x SC type fiber connector

LED Indicators FIBER, LAN, PWR

Power

 Operating Current 0.31A Power Consumption

Power Adapter 5V DC, 1A external power adapter

Mechanism

Dimensions (W x H x D) 75 x 22.6 x 101.2 mm (2.95" x 0.89" x 3.98")

Enclosure

Protection

 Reverse Polarity Present

Environment

■ Operating Temperature 0 ~ 50°C (32 ~ 122°F) Storage Temperature -40 ~ 70°C (-40 ~ 158°F) Humidity 5 ~ 90% (non-condensing) MTBF 1,776,203 hours

Certification

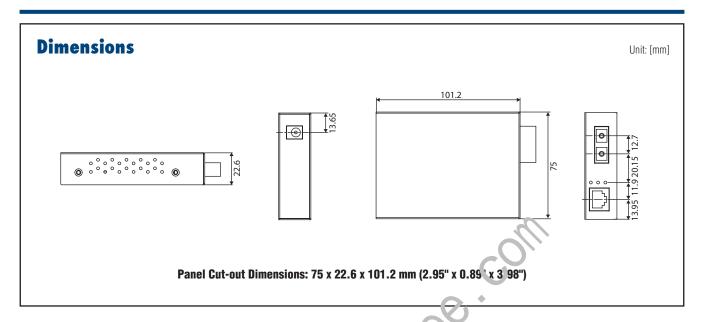
Safety LVD

- EMI EN 55024/EN 55032 Class A, FCC Part 15 Subpart B 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

Freefall IEC 60068-2-32 Vibration IEC 60068-2-6



Ordering Information

Model Number	Description	Vavelength	Transmission Distance
EKI-2541ML-EU-AE	10/100T(X) to Fiber Converter, Multi-mode, SC connector (EU / dap'er)	1310 nm	2 km
EKI-2541ML-UK-AE	10/100T(X) to Fiber Converter, Multi-mode, SC connector (CTX Acapter)	1310 nm	2 km
EKI-2541ML-US-AE	10/100T(X) to Fiber Converter, Multi-mode, SC connector (cis Adapter)	1310 nm	2 km
EKI-2541SL-EU-AE	10/100T(X) to Fiber Converter, Single-mode, SC compacts (Fu Adapter)	1310 nm	40 km
EKI-2541SL-UK-AE	10/100T(X) to Fiber Converter, Single-mode, 3C connector (UK Adapter)	1310 nm	40 km
EKI-2541SL-US-AE	10/100T(X) to Fiber Converter, Single-mode, St. connector (US Adapter)	1310 nm	40 km