EKI-2741XL Series

10/100/1000T (X) to Fiber Optic Gigabit Media Converters

EKI-2741FL | EKI-2741ML/SL

Features

- 1 x 10/100/1000 Mbps Ethernet port with RJ45 connector
- 1 x 1000 Mbps fiber port with SC type connector for 1000Base-SX/LX device
- 1 x 100/1000 Mbps Ethernet port with SFP (mini-GBIC) type
- MDI/MDI-X auto crossover
- Supports auto-negotiation
- Cost-Effective

Introduction

The EKI-2741 series is designed to convert Gigabit Ethernet networks to Gigabit fiber networks by transparently converting Ethernet signals to optic signals. Therefore, the EKI-2741 series is an ideal solution for “fiber to building” applications at central offices or local sites. EKI-2741 series supports MDI/MDIX auto detection, so you don’t need to use crossover wires. EKI-2741 series is an enhanced gigabit Ethernet to fiber optic converter. Furthermore, the EKI-2741 series 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, 802.3ab, 802.3x, IEEE 802.3z
LAN	10/100/1000Base-T (X), 1000Base-SX or 1000Base-LX
Transmission Distance	Ethernet: Up to 1000 m SFP: N/A (EKI-2741FL) Multi-mode: Up to 550 m (EKI-2741ML) Single-mode: Up to 10 km (EKI-2741SL)
Transmission Speed	Up to 1000 Mbps
Optical Fiber	
Multi-mode (EKI-2741ML)	Wavelength: 850 nm Tx Power: -4/-9.5 dBm Rx Sensitivity: -17 dBm Parameters: 50/125 um, 62.5/125 um
Single-mode (EKI-2741SL)	Wavelength: 1310 nm Tx Power: -3/-9.5 dBm Rx Sensitivity: -20 dBm Parameters: 9/125 um

Interface

Connectors	1 x RJ45 1 x SC type fiber connector (EKI-2741ML/SL) or 1 x SFP type fiber connector (EKI-2741FL)
LED Indicators	
EKI-2741ML/SL	FIBER, LAN, PWR
EKI-2741FL	Fiber: LINK/ACT LAN: LINK/ACT PWR

Power

Operating Current	0.61A (EKI-2741ML/SL) 0.52A (EKI-2741FL)
Power Consumption	3.5 W (EKI-2741ML/SL) 0.5 W (EKI-2701FL, w/o insert SFP transceiver)
Power Adapter	5V DC, 1A external power adapter

Mechanism

Dimensions (W x H x D)	EKI-2741ML/SL: 75 x 22.6 x 101.2 mm (2.95" x 0.89" x 3.98") EKI-2741FL: 60.88 x 23 x 75.58 mm (2.4" x 0.91" x 2.98")
Enclosure	IP30

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	EKI-2741ML/SL: 1,269,493 hours EKI-2741FL: 1,031,686 hours

Certification

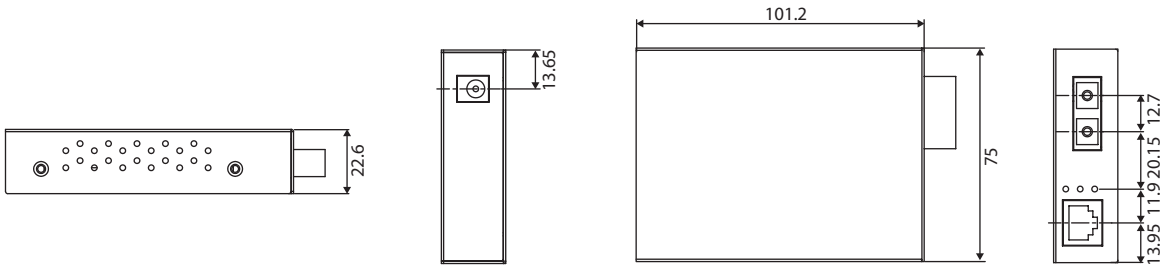
Safety	LVD
EMI	EN 55024/ EN 55032 Class A, FCC Part 15 Subpart B Class A
EMS	EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 EN 61000-4-11
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6

All product specifications are subject to change without notice.

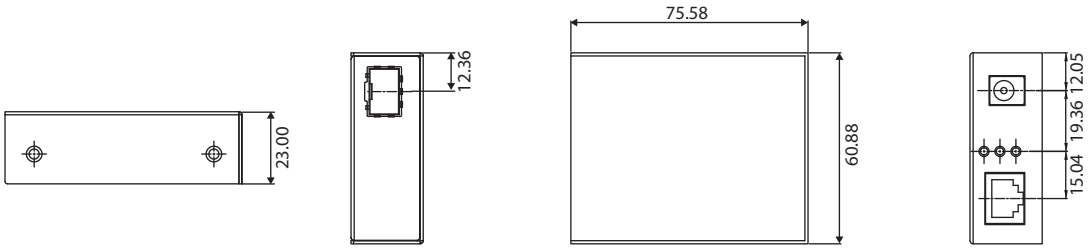
Last updated: 24-Aug-2018

Dimensions

Unit: mm



EKI-2741ML/SL Panel Cut-out Dimensions: 75 x 22.6 x 101.2 mm (2.95" x 0.89" x 3.98")



EKI-2741FL Panel Cut-out Dimensions: 60.88 x 23 x 75.58 mm (2.4" x 0.91" x 2.98")

Ordering Information

Model Number	Description	Wavelength	Transmission Distance
EKI-2741ML-EU-AE	Giga Ethernet to 1000Base-SX Fiber Converter, Multi-mode, SC connector (EU Adapter)	850 nm	550 m
EKI-2741ML-UK-AE	Giga Ethernet to 1000Base-SX Fiber Converter, Multi-mode, SC connector (UK Adapter)	850 nm	550 m
EKI-2741ML-US-AE	Giga Ethernet to 1000Base-SX Fiber Converter, Multi-mode, SC connector (US Adapter)	850 nm	550 m
EKI-2741SL-EU-AE	Giga Ethernet to 1000Base-SX Fiber Converter, Single-mode, SC connector (EU Adapter)	1310 nm	10 km
EKI-2741SL-UK-AE	Giga Ethernet to 1000Base-SX Fiber Converter, Single-mode, SC connector (UK Adapter)	1310 nm	10 km
EKI-2741SL-US-AE	Giga Ethernet to 1000Base-SX Fiber Converter, Single-mode, SC connector (US Adapter)	1310 nm	10 km
EKI-2741FL-EU-AE	Giga Ethernet to SFP Fiber Converter (EU Adapter)	N/A	N/A
EKI-2741FL-UK-AE	Giga Ethernet to SFP Fiber Converter (UK Adapter)	N/A	N/A
EKI-2741FL-US-AE	Giga Ethernet to SFP Fiber Converter (US Adapter)	N/A	N/A

Optional Accessories

Part Number	Description	Fiber Type	Range	Power Budget
Optical Transceivers (SFP) - LC				
808-38200	SM1310	LC	20 km	14 (db)
808-38201	MM850	LC	550 m	7.5 (db)
808-38203	SM1310/PLUS	LC	30 km	17 (db)
808-38204	SM1550/LONG	LC	40 km	17 (db)
Optical Transceivers (SFP) - SC				
808-38221	SSLX-SM1310/1550	SC	20 km	15 (db)
808-38222	SSLX-SM1550/1310	SC	20 km	15 (db)
808-38223	SSLX-SM1310/1550/PLUS	SC	40 km	20 (db)
808-38224	SSLX-SM1550/1310/PLUS	SC	40 km	20 (db)

Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.

AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

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