EKI-1521/CI/I EKI-1522/CI/I EKI-1524/CI/I

1-port RS-232/422/485 Serial Device Server

2-port RS-232/422/485 Serial Device Server

4-port RS-232/422/485 Serial Device Server



Features

- Provides 2 x 10/100 Mbps Ethernet ports for LAN redundancy
- Provides COM port redirection (Virtual COM), TCP and UDP operation modes
- Supports up to 921.6 kbps, and any baud rate setting
- Allows a max. of 5 hosts to access one serial port .
- Allows a max. of 16 hosts to be accessed as TCP client mode
- Built-in 15 KV ESD protection for all serial signals
- Provides rich configuration methods including Windows utility, Telnet console, and Web Browser
- Supports 32-bit/64-bit Windows 2000/XP/Vista/7/8/8.1/10, Windows Server 2003/2008/2012, and Linux
- Automatic RS-485 data flow control
 - Supports line to line 2 KV, line to ground 4 KV surge protection
- 'I' models support a wide operating temperature
- 'CI' models support isolation and wide operating temperature

Introduction

EKI-1521, EKI-1522 and EKI-1524 feature two independent Ethernet ports and MAC addresses to provide a redundant network mechanism to guarantee Ethernet network reliability. EKI-1521, EKI-1522 and EKI-1524 are serial device servers that connect RS-232/422/485 serial devices, such as PLC, meters, sensors, and barcode readers to an IP-based Ethernet LAN. They allow nearly any device with serial ports to connect and share an Ethernet network. EKI-1521, EKI-1522 and EKI-1524 provide various operations: COM port redirection (Virtual COMport), TCP Server, TCP Client and UDP mode. With COM port redirection mode, standard serial operation calls are transparently redirected to the EKI-1521, EKI-1522 and EKI-1524, guaranteeing compatibility with legacy serial devices and enabling backward compatibility with existing software. With TCP server, TCP client, and UDP modes, EKI- 1521, EKI-1522 and EKI-1524 ensure the compatibility of network software that uses a standard network API. Moreover, you can make serial devices communicate with other devices peer-to-peer, without any intermediate host PCs and software programming.

Specifications

Ethernet Communications

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("CI" model supports RS-422/485) No. of Ports ÈKI-1521: 1/EKI-1522: 2/EKI-1524: 4 Port Connector DB9 male 5, 6, 7, 8 Data Bits 1.1.5.2 Stop Bits Parity None, Odd, Even, Space, Mark Flow Control XON/XOFF, RTS/CTS 50 bps ~ 921.6 kbps, any baud rate setting Baud Rate Serial Signals RS-232: TxD, RxD, CTS, RTS, DCD, RI, GND RS-422: TxD+, TxD-, RxD+, RxD-, GND RS-485: Data+, Data-, GND Protection Built-in 15 KV ESD for all signals Software Driver Support 32-bit/64-bit Windows 2000/XP/Vista/7/8/8.1/10, Windows Server 2003/2008/2012, and Linux COM port redirection mode (Virtual COM) Operation Modes

TCP/UDP server (polling) mode TCP/UDP client (event handling) mode Pair connection (peer to peer) mode

- Configuration Windows utility, Telnet console, Web Browser Management SNMP MIB-II
- ICMP, IP, TCP, UDP, BOOTP, DHCP, Auto IP, SNMP, Protocols HTTP, DNS, SMTP, ARP, NTP

Mechanics

imensions (W x H x D) 36.6 x 140 x 95 mm (1.44" x 5.51" x 3.74")

- EKI-1524: 48.6 x 140 x 95 mm (1.91" x 5.51" x 3.74")
- nclosure
- Metal with solid mounting hardware DIN-rail, Wall
 - lounting EKI-1521: 472g/EKI-1522: 480g/EKI-1524: 555g /eight
- ieral
- ED Indicators
- System: Power, System Status/LAN: Speed, Link/Active Serial: Tx. Rx

Power Requirements

- Input 12 ~ 48 V_{DC}, redundant dual inputs Connector Terminal block Consumption EKI-1521: 3.2 W EKI-1522: 3.2 W
 - EKI-1524: 4.1 W

Environment

- EMC

- Operating Temperature EKI-1521/EKI-1522/EKI-1524: -10 ~ 60 °C (14 ~ 140 °F)
 - 'CI & I' models: -40 ~ 75 °C (-40 ~ 167 °F) Storage Temperature -40 ~ 85 °C (-40 ~ 185 °F)
 - **Operating Humidity** 10~95% RH

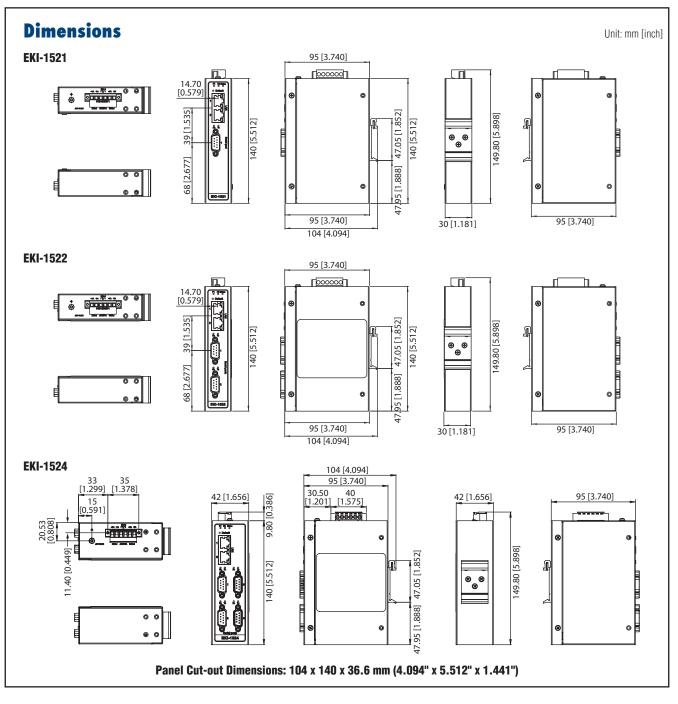
2 kV

- **Regulatory Approvals**
 - CE, FCC Part 15 Subpart B (Class A)

Port to Port Isolation ('CI' models)

- Serial to Ethernet
- Serial to Power 2 kV
- Ethernet to Power 1.5 kV

EKI-1521/CI/I EKI-1522/CI/I EKI-1524/CI/I



Ordering Information

- EKI-1521 1-port RS-232/422/485 Serial Device Server
- EKI-1522 2-port RS-232/422/485 Serial Device Server
- EKI-1524 4-port RS-232/422/485 Serial Device Server
- EKI-1521I 1-port RS-232/422/485 Serial Device Server with wide operating temperature
- EKI-1522I 2-port RS-232/422/485 Serial Device Server with wide operating temperature
- EKI-1524I 4-port RŠ-232/422/485 Serial Device Server with wide operating temperature
- EKI-1521CI
- EKI-1522CI
- EKI-1524CI
- OPT1-DB9

1-port RS-422/485 Serial Device Server with wide operation temperature and isolation 2-port RS-422/485 Serial Device Server with wide operation temperature and isolation

- 4-port RS-422/485 Serial Device Server with wide operation temperature and isolation
- D-Sub9 to Terminal Converter