

EKI-1524

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

NEW



CE FCC

Features

- Supports 2 x 10/100Base-T redundant Ethernet network
- Provides COM port redirection (Virtual COM port), TCP and UDP modes
- Supports baud rate up to 921 kbps
- Allows a max of 5 hosts to access one serial port
- Supports an advanced security mechanism to avoid unauthorized access
- Allows a max of 8 hosts to access TCP client and command response mode
- Download and testing utility: Easy to download firmware and self-diagnosis
- Easily manage Port Mapping and configuration utility for Win2000/XP/Vista
- Mounts on DIN-rail, or panel
- Automatic RS-485 data flow control

Introduction

EKI-1524 feature two independent Ethernet ports and MAC addresses to provide a redundant networking mechanism to guarantee Ethernet networking reliability. The EKI-1524 is a network-based, serial device server for connecting four RS-232/422/485 devices, such as CNCs, PLCs, scales, and scanners, directly to a TCP/IP network. Once connected through EKI-1524 device server, your serial device will be able to send and receive data on a network like any other network device. EKI-1524 provide a simple and cost-effective way to bring the advantages of remote management and data accessibility to thousand of devices that can not connect to a network.

EKI-series device server provide various operations: COM port redirection (Virtual COM port), TCP server Client and UDP mode. After Advantech redirection software installation, standard serial operating calls are transparently redirected to the EKI- series device server, guaranteeing compatibility with legacy serial devices and enabling backward compatibility with existing software. EKI-1524 also support serial tunneling, allowing two native serial devices to communicate over a network.

Specifications

Ethernet Communications

- **Compatibility** IEEE802.3, IEEE802.3u
- **Speed** 10/100Mbps
- **Connectors** 2 x RJ-45

Serial Communications

- **Type** RS-232/422/485
- **Connectors** 4 x DB9
- **Ports** 4
- **Data Bits** 5, 6, 7, 8
- **Stop Bits** 1, 1.5, 2
- **Parity Bits** Odd, even, none, space, mark
- **Baud Rate** 50bps ~ 921kbps
4 port up to 230k bps simultaneously
- **Data Signals** RS-232: TxD, RxD, CTS, RTS, DTR, DSR, DCD, RI, GND
RS-422: TxD+, TxD-, RxD+, RxD-, GND
RS-485: Data+, Data-, GND

Software

- **Driver Supported** 2000/XP/Vista(x86)
- **Utility Software** Advantech Serial Device Server Configuration Utility
- **Operation Modes** COM port redirection mode (virtual COM port)
TCP Server (polling) mode
TCP Client (event handling) mode
Pair connection (Peer to Peer)

Mechanics

- **Dimensions (W x H x D)** 55 x 140 x 95 mm
- **Enclosure** Metal with solid mounting hardware
- **Mounting** DIN-rail, panel

General

- **Certifications** CE, FCC class A
- **LED Indicators** System: Power, status
LAN: Speed, Link/Active
Serial: TX, RX

Power

- **Power Input** 2 x Unregulated 12 ~ 48 V_{DC}
- **Power Consumption** 4 W

Protection

- **Serial Protection** 15 KV ESD
- **Ethernet Protection** Built-in 1.5 KV magnetic isolation

Environment

- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Storage Temperature** -20 ~ 80° C (-4 ~ 176° F)
- **Operating Humidity** 20 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)

Ordering Information

- **EKI-1524** 4-port RS-232/422/485 Serial Device Server