EKI-1528/I/TI/N EKI-1526/I/TI/N

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

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



Features

- 8 or 16-port RS-232/422/485 serial communication
- Provides 2 x 10/100/1000 Mbps Ethernet ports for LAN redundancy
- Supports up to 976.5 kbps, and any baud rate setting
- Provides COM port redirection (Virtual COM), TCP and UDP operation modes
- Provides rich configuration methods: Windows utility, Telnet console, Web Browser, and serial console
- Built-in 15 KV ESD protection for all serial signals
- SNMP MIB-II for network management
- Built-in buzzer for easy location
- Standard 1U rackmount size
- Rear wiring
- Automatic RS-485 data flow control
- "I" models support a wide operating temperature

Introduction

The EKI-1528 and EKI-1526 are industrial-grade network-based serial device servers for connecting up to 8 or 16 serial RS-232/422/485 devices, such as CNCs, PLCs, scales and scanners, directly to a TCP/IP network. The EKI-1528 and EKI-1526 feature two independent Ethernet ports and MAC addresses to provide a redundant network mechanism to guarantee Ethernet network reliability. The EKI-1528 and EKI-1526 provide a simple and cost-effective way to bring the advantages of remote management and data accessibility to thousand of devices that can't connect to an Ethernet network. The EKI-1528 and EKI-1526 offer multiple ways to configure through Windows utility, Web Browser, serial console or Telnet console, these methods make it easy manage many EKI-1528 and EKI-1526 or serial devices on your network.

Specifications

Ethernet Communications

Compatibility
Speed
IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
10/100/1000 Mbps, auto MDI/MDIX

No. of Ports 2

• Port Connector 8-pin RJ45

Protection
Built-in 1.5 KV magnetic isolation

Serial Communications

Port Type RS-232/422/485, software selectable
No. of Ports EKI-1528/EKI-1528I/EKI-1528TI/EKI-1528N: 8

EKI-1526/EKI-1526I/EKI-1526TI/EKI-1526N: 16

• Port Connector DB9 male or 8-pin RJ45

Data Bits
Stop Bits
5, 6, 7, 8
1, 1.5, 2

Parity None, Odd, Even, Space, Mark
Flow Control XON/XOFF, RTS/CTS, DTR/DSR

Baud Rate
50 bps ~ 921.6 kbps, any baud rate setting
16 ports up to 230.4 kbps simultaneously

Serial Signals
RS-232: TxD, RxD, CTS, RTS, DTR, DSR, DCD, GND, RI

RS-422: TxD+, TxD-, RxD+, RxD-, GND

RS-485: Data+, Data-, GND

Protection
15 KV ESD for all signals

Software

 Driver Support
Windows XP/7/8.1/10, Windows Server 2003/2008/2012/2016/2019, and Linux

Utility Software Advantech EKI Device Configuration Utility
Operation Modes COM port redirection mode (Virtual COM)

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

RFC2217 mode

Configuration Windows utility, Telnet console, Web Browser, serial

console

Protocols
ARP, ICMP, IPv6, TCP, UDP, BOOTP/DHCP Client, Auto

IP, Telnet, SNMP, HTTP, DNS, SMTP, NTP

■ Management SNMP MIB-II

Mechanics

Dimensions (W x H x D) 438 x 43.6 x 259.2 mm (17.24" x 1.71" x 10.2")

Enclosure SECC chassisMounting Rack

General

• **LED Indicators** System: Power, System Status

LAN: Speed, Link/Active

Serial: Tx, Rx

Alert Tools
Built-in buzzer and RTC (real time clock)

Reboot Trigger
Built-in WDT and push button for hardware reboot

Power Requirements

■ **Power Input** EKI-1528(I)/EKI-1526(I): 100 ~ 240 V_{AC} , 50 ~ 60 Hz

EKI-1528T(I)-VDC/EKI-1526T(I)-VDC 12 -48 V_{DC} EKI-1526T(I)-VHDC 120 -270 V_{DC}, Terminal Block

Power Consumption 5.6 W

Environment

• Operating Temperature $-10 \sim 60^{\circ}\text{C} \ (14 \sim 140^{\circ}\text{F})$

"I" Model: -40 ~ 75°C (-40 ~ 167°F)

■ Storage Temperature -20 ~ 80°C (-4 ~ 176°F)

Operating Humidity 10 ~ 95% RH

Regulatory Approvals

■ EMC CE, FCC Part 15 Subpart B (Class A)

AD\ANTECH

Industrial Wireless and Protocol Gateway Solutions

All product specifications are subject to change without notice.

