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 thousands 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**: IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
- **Speed**: 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**: 5, 6, 7, 8
- **Stop Bits**: 1, 1.5, 2
- **Parity**: None, Odd, Even, Space, Mark
- **Flow Control**: XON/XOFF, RTS/CTS, DTR/DSR
- **Baud Rate**: 50 bps – 976.5 kbps, any baud rate setting
- **Serial Signals**: RS-232: TxD, RxD, CTS, RTS, DTR, DSR, DCD, GND, RI, RXD+, RXD-, RXD-, GND, RS-485: Data+, Data-, GND
- **Protection**: 15 KV ESD for all signals

**Software**
- **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

**Features**
- **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 chassis
- **Mounting**: 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-1528TI(I): 100 – 240 VAC, 50 – 60 Hz EKI-1526TI(I)/EKI-1526TI(I): 12 – 48 VDC, Terminal Block
- **Power Consumption**: 5.6 W

**Environment**
- **Operating Temperature**: 10 – 60°C (14 – 140°F)
- **Storage Temperature**: -40 – 85°C (-40 – 185°F)
- **Operating Humidity**: 10 – 95% RH

**Regulatory Approvals**
- **EMC**: CE, FCC Part 15 Subpart B (Class A)
## Ordering Information

- **EKI-1528**  8-port RS-232/422/485 Serial Device Server
- **EKI-1526**  16-port RS-232/422/485 Serial Device Server
- **EKI-1528T-VDC**  8-port RS-232/422/485 Serial Device Server w/ DC Input
- **EKI-1526T-VDC**  16-port RS-232/422/485 Serial Device Server w/ DC Input
- **EKI-1528I**  8-port RS-232/422/485 Serial Device Server W/T
- **EKI-1526I**  16-port RS-232/422/485 Serial Device Server W/T
- **EKI-1528TI-VDC**  8-port RS-232/422/485 Serial Device Server w/ DC W/T Input
- **EKI-1526TI-VDC**  16-port RS-232/422/485 Serial Device Server w/ DC W/T Input
- **EKI-1528N**  8-port RS-232/422/485 Serial Device Server with RJ45 Connector
- **EKI-1526N**  16-port RS-232/422/485 Serial Device Server with RJ45 Connector

### Dimensions

#### Unit: mm [Inch]

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