

# EKI-1526 V2

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



### Features

- Security functions refer to the IEC 62443-4-2 standard
- 16-port RS-232/422/485 serial communication
- Provides 2 x 10/100/1000 Mbps Ethernet ports for LAN redundancy
- Supports up to 921.6 kbps, and any baud rate setting
- Provides secure operation in COM port redirection (Virtual COM), TCP modes
- Provides rich configuration methods: Windows utility, Telnet console, Web Browser, and serial console
- SNMP MIB-II for network management
- Built-in buzzer for easy location
- Standard 1U rackmount size
- Automatic RS-485 data flow control
- "I" models support a wide operating temperature

### Introduction

The EKI-1526 are industrial-grade network-based serial device servers for connecting up to 16 serial RS-232/422/485 devices, such as CNCs, PLCs, scales and scanners, directly to a TCP/IP network. The EKI-1526 feature two independent Ethernet ports and MAC addresses to provide a redundant network mechanism to guarantee Ethernet network reliability. The 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-1526 offer multiple ways to configure through Windows utility, Web Browser, serial console or Telnet console, these methods make it easy manage many 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** 16
- **Port Connector** 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 ~ 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

#### Software

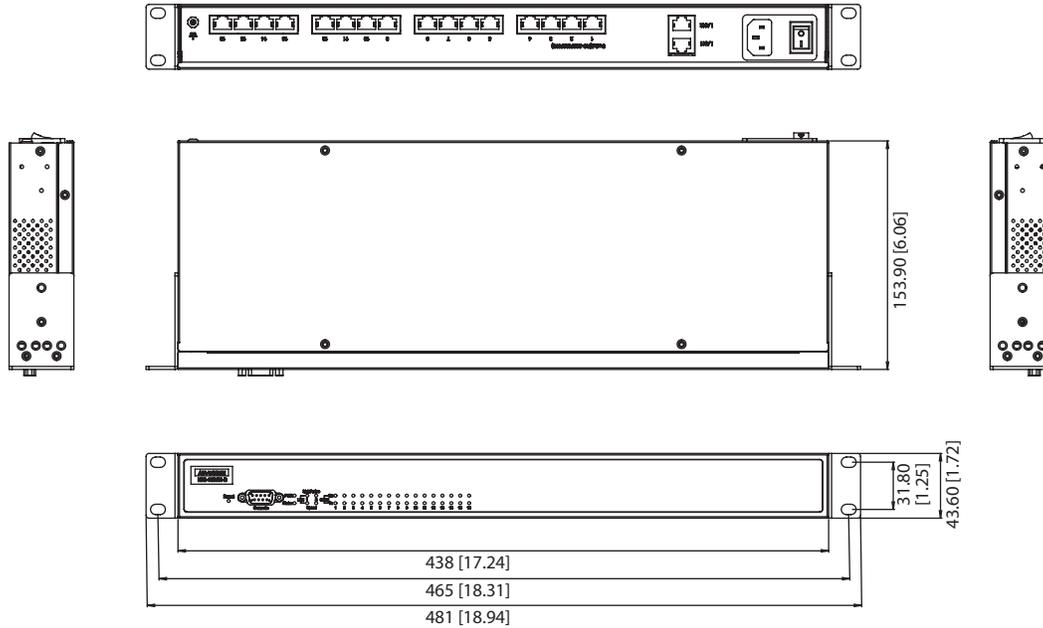
- **Driver Support** Windows 7/8/8.1/10/11, Windows Server 2008/2012/2016/2019, and Linux
- **Utility Software** Advantech EKI Device Configuration Utility
- **Secure Operation Modes** COM port redirection (Virtual COM)  
TCP server (polling) mode  
TCP client (event handling) mode  
Pair Connection (peer to peer) mode  
SSH console mode
- **Standard Operation Modes** COM port redirection (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 (HTTP/HTTPS), serial console
- **Protocols** ARP, ICMP, IPv6, TCP, UDP, BOOTP/DHCP Client, Auto IP, Telnet, SNMPv3, HTTP, HTTPS, DNS, SMTP, NTP
- **Management** SNMP MIB-II
- **Authentication** User Management, LDAP, RADIUS

#### Mechanics

- **Dimensions (W x H x D)** 438 x 43.6 x 153.9 mm
- **Enclosure** SECC chassis
- **Mounting** Rack

## Dimensions

Unit: mm [inch]



**Outline Dimension (W x H x D): 438 x 43.6 x 153.9 mm (17.24" x 1.72" x 6.06")**

### 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** 100 ~ 240 V<sub>AC</sub> , 50 ~ 60 Hz
- **Power Consumption** 6.4 W

### Environment

- **Operating Temperature** -40 ~ 70°C (-40 ~ 158°F)
- **Storage Temperature** -20 ~ 80°C (-4 ~ 176°F)

### Regulatory Approvals

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

## Ordering Information

- **EKI-1526-NI1A** 16-port RS-232/422/485 Serial Device Server with RJ45 Connector
- **OPT1J-AE** 30cm RJ45 to DB9 Cable