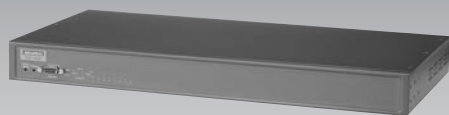# EKI-1528
8-port RS-232/422/485 Serial Device Server

EKI-1526
16-port RS-232/422/485 Serial Device Server

NEW

EKI-1528

EKI-1526

CE FCC

Features

- 8 or 16-port RS-232/422/485 serial communication
- Supports dual 10/100M auto-sensing Ethernet ports
- Supports baud rates from 50 bps to 921.6 Kbps
- Provides COM port redirection (Virtual COM), TCP/UDP server/client operation modes
- Provides rich configuration methods: Web console, Telnet console, Serial console and Windows utility
- Supports an advanced security mechanism to avoid unauthorized access
- Built-in 15 KV ESD protection for all signals
- Easy-managing Advantech Serial Device Server Configuration Utility for Windows 2000/XP/Vista (x86)
- Built-in buzzer for easy location
- Standard 1U rackmount size
- Rear wiring
- Automatic RS-485 data flow control

Introduction

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 networking mechanism to guarantee Ethernet networking 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 rich ways to configure through Windows utility, web console, 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
- **Speed** 10/100 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: 8
  EKI-1526: 16
- **Port Connector** 8-pin RJ45
- **Data Bits** 5, 6, 7, 8
- **Stop Bits** 1, 1.5, 2
- **Parity Bits** None, Odd, Even, Space, Mark
- **Flow Control** XON/XOFF, RTS/CTS, DTR/DSR
- **Baud Rate** 50 bps ~ 921.6 Kbps
- **Serial Signals** RS-232: TxD, RxD, CTS, RTS, DTR, DSR, DCD, GND
  RS-422: TxD+, TxD-, RxD+, RxD-, GND
  RS-485: Data+, Data-, GND
- **Protection** 15 KV ESD protection for all signals

Software

- **Driver Support** Windows 2000/XP/Vista(x86)
- **Utility Software** Advantech Serial Device Server 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
- **Configuration** Windows utility, Telnet console, Web interface, serial console

- **Protocols** ICMP, IP, TCP, UDP, BOOTP, DHCP, Auto IP, telnet, SNMP, HTTP, DNS, SMTP, ARP
- **Management** SNMP MIB-II

Mechanics

- **Dimensions (H x W x D)** 44 x 440 x 220 mm
- **Enclosure** SECC chassis
- **Mounting** Rack
- **Weight** EKI-1528: 2.53 kg
  EKI-1526: 2.58 kg

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_{AC}, 47 ~ 63 Hz
- **Power Consumption** EKI-1528: 8W
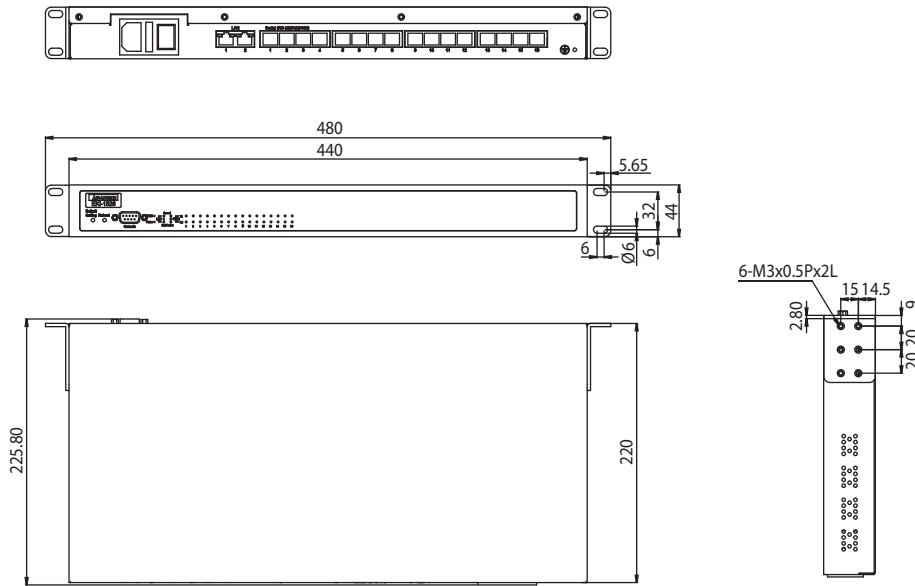 EKI-1526: 10W

Environment

- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** -20 ~ 80°C (-4 ~ 176°F)
- **Operating Humidity** 5 ~ 95% RH

Regulatory Approvals

- **EMC** CE, FCC Part 15 Subpart B (Class A)
- **MTBF** EKI-1528: 198,571 hrs
  EKI-1526: 175,708 hrs

Dimensions

480
440
5.65
44
32
6
Ø6
6
225.80
220
6-M3x0.5Px2L
15 14.5
2.80
9
20 20

Dimensions (W x D x H): 440 x 220 x 44 mm

Physical Views

EKI-1528: Front View

EKI-1528: Rear View

EKI-1526: Front View

EKI-1526: Rear View

Ordering Information

- **EKI-1528**   8-port RS-232/422/485 Serial Device Server
- **EKI-1526**   16-port RS-232/422/485 Serial Device Server

*All items include 1pc 30cm RJ45 to DB9 (male) cable

Accessories

- **OPT1I**   1m RJ45 to DB9 (male) cable
- **OPT1J**   30cm RJ45 to DB9 (male) cable
- **1702002600**   Power Cable US Plug 1.8m
- **1702002605**   Power Cable EU Plug 1.8m
- **1702031801**   Power Cable UK Plug 1.8m
- **1702031836**   Power Cable China/Australia Plug 1.8m