

# 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 Mbps Ethernet ports for LAN redundancy
- Supports baud rate up to 921.6 kbps
- 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

## 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 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 rich 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 Speed 10/100 Mbps, auto MDI/MDIX

No. of Ports

Port Connector 8-pin RJ45

Protection Built-in 1.5 KV magnetic isolation

#### **Serial Communications**

Port Type RS-232/422/485, software selectable

EKI-1528: 8 · No. of Ports EKI-1526: 16 Port Connector 8-pin RJ45 Data Bits 5, 6, 7, 8 Stop Bits 1, 1.5, 2

None, Odd, Even, Space, Mark Parity 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 15 KV ESD for all signals

Protection 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

Windows utility, Telnet console, Web Browser, serial Configuration

console

Protocols ICMP, IP, TCP, UDP, BOOTP, DHCP, Auto IP, Telnet,

SNMP, HTTP, DNS, SMTP, ARP, HTTPS, SSL, SSH,

NTP

 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 ka

EKI-1526: 2.58 kg

#### General

 LED Indicators System: Power, System Status

LAN: Speed, Link/Active

Serial: Tx, Rx

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

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

## **Power Requirements**

**Power Input**  $100 \sim 240 \ V_{AC}, \ 47 \sim 63 \ Hz$ 

**Power Consumption** EKI-1528: 8 W

EKI-1526: 10 W

## **Environment**

**Operating Temperature**  $0 \sim 60^{\circ} \text{ C} (32 \sim 140^{\circ} \text{ F})$ Storage Temperature -20 ~ 80° C (-4 ~ 176° F)

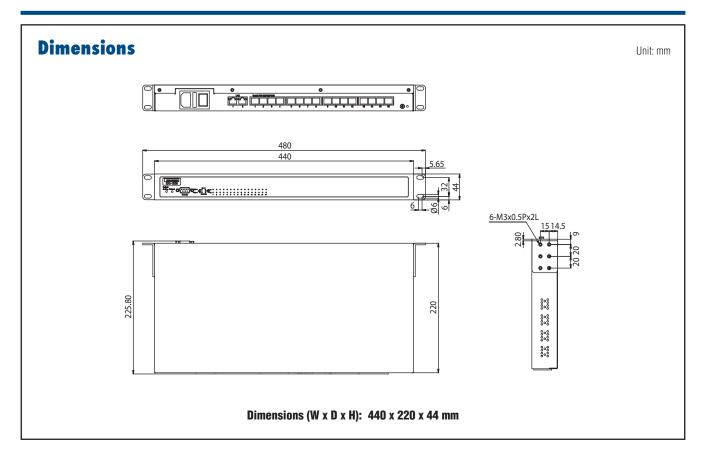
5 ~ 95% RH Operating Humidity

#### **Regulatory Approvals**

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

MTBF EKI-1528: 198,571 hrs

EKI-1526: 175,708 hrs



# **Physical Views**

EKI-1528: Front View



EKI-1528: Rear View



## **Accessories**

\*All items include 1pc OPT1J

EKI-1528

EKI-1526

OPT1I 1 m RJ45 to DB9 Male Cable
OPT1J 30 cm 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

**Ordering Information** 

• 1702031836 Power Cable China/Australia Plug 1.8m

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EKI-1526: Front View



EKI-1526: Rear View

