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** 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 ~ 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 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-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 ~ 60°C (14 ~ 140°F)
  "I" Model: -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature** -20 ~ 80°C (-4 ~ 176°F)
- **Operating Humidity** 10 ~ 95% RH

Regulatory Approvals

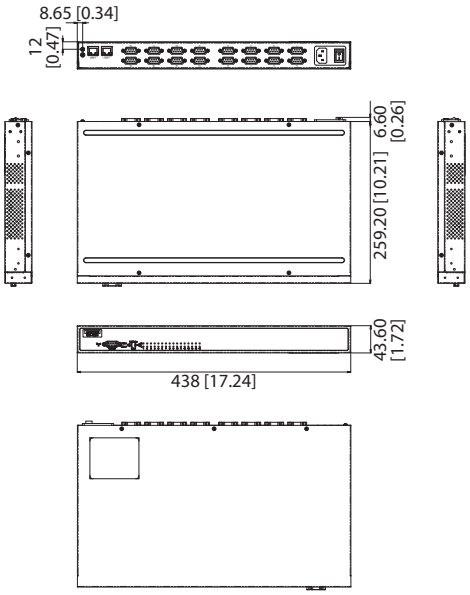
- **EMC** CE, FCC Part 15 Subpart B (Class A)

All product specifications are subject to change without notice.
Last updated: 17-Mar-2020

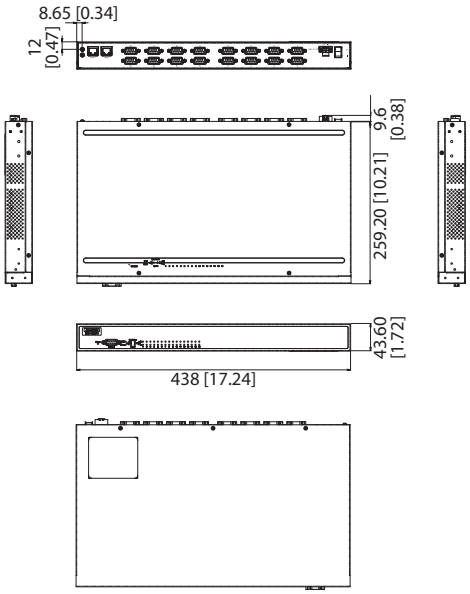
Dimensions

Unit: mm [inch]

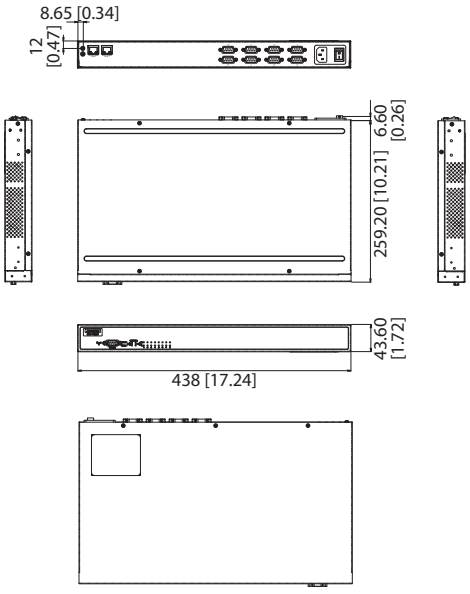
EKI-1526/1526I



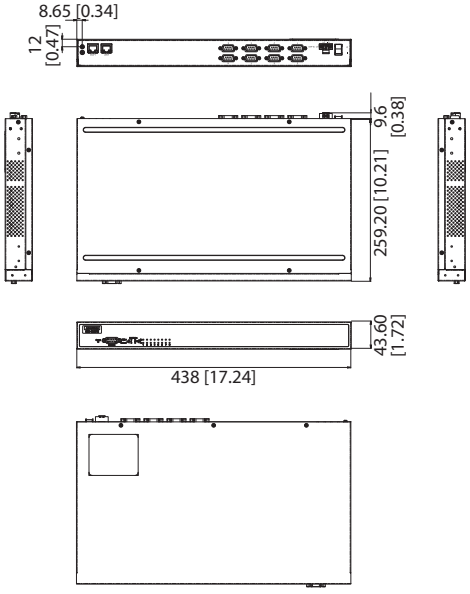
EKI-1526T/1526TI



EKI-1528/1528I



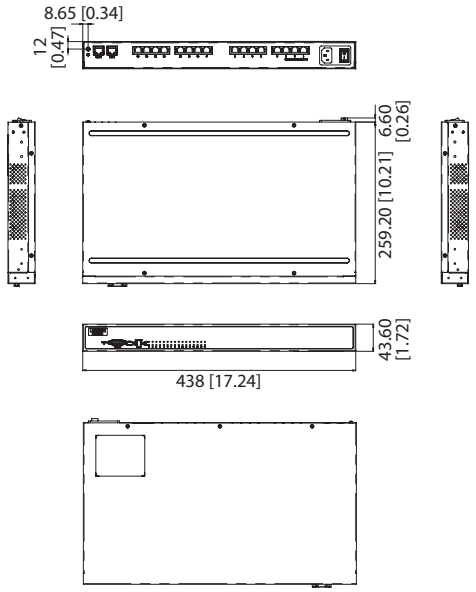
EKI-1528T/1528TI



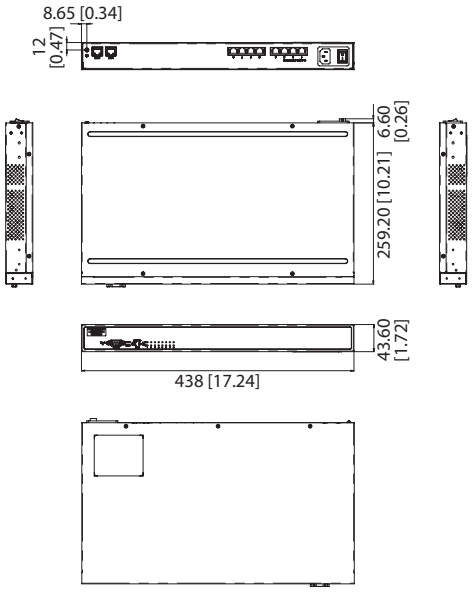
Dimensions

Unit: mm [inch]

EKI-1526N



EKI-1528N



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
- **EKI-1526TI-VHDC** 16-port RS-232/422/485 Device Server W/T 125V