EKI-1528NL
8-port Console Server

EKI-1526NL
16-port Console Server

| EKI-1528 | | EKI-1526 |

Features

- 8 or 16-port RS-232 serial communication
- Cisco pin definition
- Provides 2 x 10/100/1000 Mbps Ethernet ports for LAN redundancy
- Supports up to 921.6 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

Introduction

The EKI-1528NL-CS and EKI-1526NL-CS are industrial-grade network-based console servers for connecting up to 8 or 16 serial RS-232 devices, such as CNCs, PLCs, scales and scanners, directly to a TCP/IP network. The EKI-1528NL-CS and EKI-1526NL-CS feature Cisco pin-definition and two independent Ethernet ports to provide a redundant network mechanism to guarantee Ethernet network reliability. The EKI-1528NL-CS and EKI-1526NL-CS 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-1528NL-CS and EKI-1526NL-CS offer multiple ways to configure through Windows utility, Web Browser, serial console or Telnet console, these methods make it easy manage many EKI-1528NL-CS and EKI-1526NL-CS or serial devices on your network.
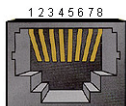
Specifications

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, software selectable
- **No. of Ports** — EKI-1528NL-CS: 8
  EKI-1526NL-CS: 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** — CTS,DSR,RxD,GND,GND,TxD,DTR,RTS
- **Pinouts**

Console Port	Signal
1	CTS
2	DSR
3	RxD
4	GND
5	GND
6	TxD
7	DTR
8	RTS

1 2 3 4 5 6 7 8

- **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** — 100 ~ 240 V_{AC} , 50 ~ 60 Hz
- **Power Consumption** — 5.6 W

Environment

- **Operating Temperature** — -10 ~ 60°C (14 ~ 140°F)
- **Storage Temperature** — -20 ~ 80°C (-4 ~ 176°F)
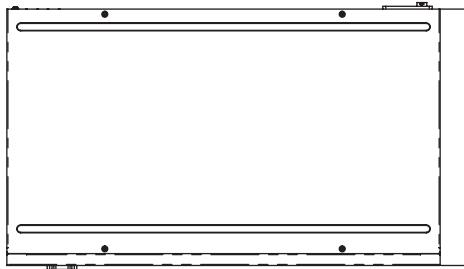- **Operating Humidity** — 10 ~ 95% RH

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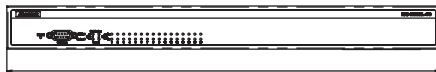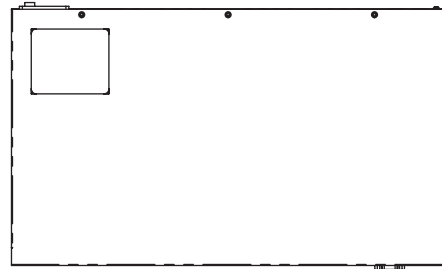
- **EMC** — CE, FCC Part 15 Subpart B (Class A)

ADVANTECH | **Industrial Wireless and Protocol Gateway Solutions**

All product specifications are subject to change without notice.   Last updated: 27-Jan-2021

Dimensions

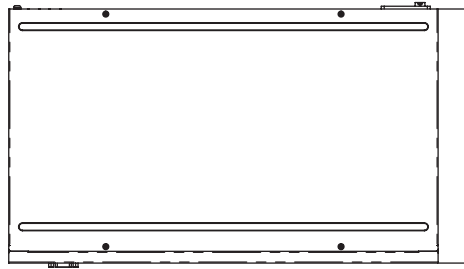Unit: mm [inch]

EKI-1526NL-CS

259.20 [10.205]

43.60 [1.72]

438 [17.24]

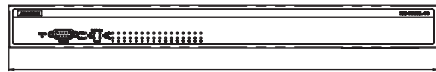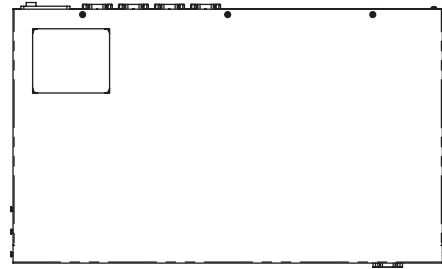**EKI-1528NL-CS**

259.20 [10.205]

43.60 [1.72]

438 [17.24]

Ordering Information

- **EKI-1526NL-CS-CE**   16-port console server