

EKI-1528NL

EKI-1526NL

8-port Console Server

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

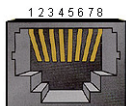
Ethernet Communications

- **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
- **Serial Signals** 16 ports up to 230.4 kbps simultaneously
- **Pinouts** CTS, DSR, RxD, GND, GND, TxD, DTR, RTS

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



- **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)

- **Protection** 15 KV ESD for all signals

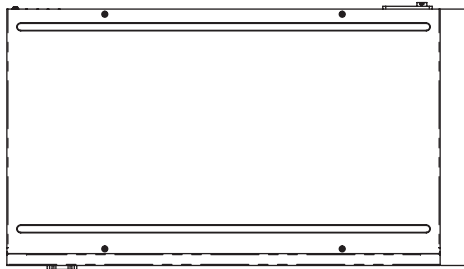
Software

- **Driver Support** Windows XP/7/8.1/10, Windows Server 2003/2008/2012/2016/2019, and Linux
- **Utility Software** Advantech EKI Device Configuration Utility

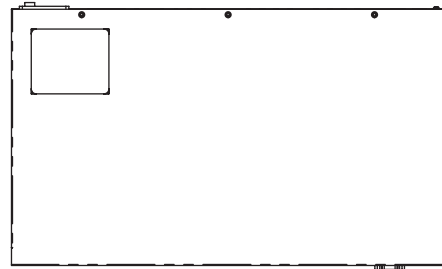
Dimensions

Unit: mm [inch]

EKI-1526NL-CS



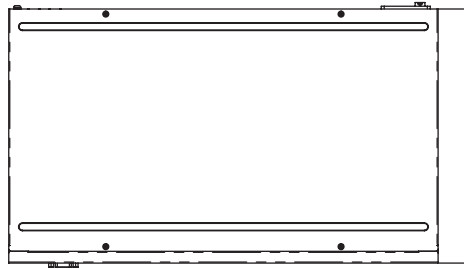
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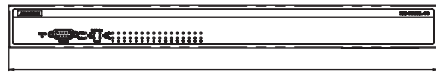
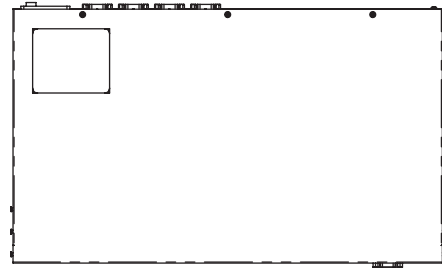
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Ordering Information

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