



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



EKI-1511X EKI-1512X

1-port RS-422/485 Serial Device Server

2-port RS-422/485 Serial Device Server



EKI-1511X

EKI-1512X



Features

- Compact, slim designed IP30 metal case
- EMC Level 3 protection
- Provides COM port redirection (Virtual COM), TCP and UDP operation modes
- Supports up to 921.6 kbps, and any baud rate setting
- Configuration utility supports 32-bit/64-bit Windows XP/7/8/8.1, Windows Server 2003/2008/2008 R2/2012/2012 R2, and Linux
- Automatic RS-485 data flow control
- Terminal block for easy wiring

Introduction

The EKI-1511X and EKI-1512X are serial device servers which connect RS-422/485 serial devices, such as PLC, meters, and sensors to an IP-based Ethernet LAN. They allow nearly any device with serial ports to connect and share an Ethernet network. EKI-1511X and EKI-1512X provide various operation modes: COM port redirection (Virtual COM port), TCP server, TCP Client, and UDP mode. With COM port redirection mode, standard serial operation calls are transparently redirected to the EKI-1511X and EKI-1512X, guaranteeing compatibility with legacy serial devices and enabling backward compatibility with existing software. With TCP server, TCP client and UDP modes, the EKI-1511X and EKI-1512X ensure the compatibility of network software that uses a standard network API. Moreover you can make serial devices communicate with other devices peer-to-peer, without any intermediate host PCs and software programming. With a compact and slim IP30 metal case, EKI-1511X and EKI-1512X can be installed into a field cabinet easily. EKI-1511X and EKI-1512X provide terminal block connector for RS-422/485 that user can setup the physical wiring without any manually made connector. And with EMC level 3 protection, EKI-1511X and EKI-1512X can work in harsher working environments than other serial device servers.

Specifications

Ethernet Communications

- **Compatibility** IEEE 802.3, IEEE 802.3u
- **Speed** 10/100 Mbps, auto-sensing
- **No. of Ports** 1
- **Port Connector** RJ45
- **Protection** Built-in 1.5 KV magnetic isolation

Serial Communications

- **Port Type** RS-422/485, software selectable
- **No. of Ports** EKI-1511X: 1
EKI-1512X: 2
- **Port Connector** Terminal Block
- **Data Bits** 5, 6, 7, 8
- **Stop Bits** 1, 1.5, 2
- **Parity** None, Odd, Even, Space, Mark
- **Flow Control** XON/XOFF, RTS/CTS
- **Baud Rate** 50 bps ~ 921.6 kbps, any baud rate setting
- **Serial Signals** RS-422: TxD+, TxD-, RxD+, RxD-, GND
RS-485: Data+, Data-, GND
- **Protection** Built-in 15 KV ESD for all signals

Software

- **Driver Support** 32-bit/64-bit Windows XP/7/8/8.1, Windows Server 2003/2008/2008 R2/2012/2012 R2 and Linux
- **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, Web Browser

Mechanics

- **Dimensions (W x H x D)** 85 x 120 x 26 mm (3.35" x 4.72" x 1.02")
- **Enclosure** Metal with solid mounting hardware
- **Mounting** Wall
- **Weight** EKI-1511X: 250g
EKI-1512X: 275g

General

- **LED Indicators** System: Power, System Status
LAN: Speed, Link/Active
Serial: Tx, Rx

Power Requirements

- **Input** 10 ~ 30 V_{DC}
- **Connector** Terminal block
- **Consumption** EKI-1511X: 2.5 W
EKI-1512X: 2.5 W

Environment

- **Operating Temperature** -10 ~ 60°C (14 ~ 140°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 10 ~ 95% RH

Regulatory Approvals

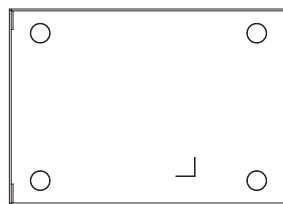
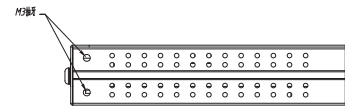
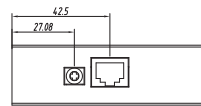
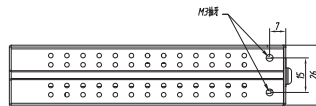
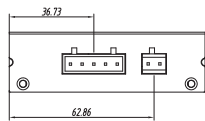
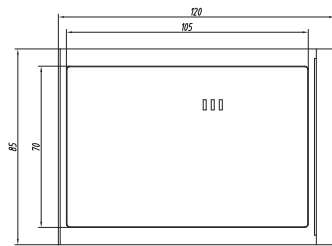
- **EMC** CE, FCC Part 15 Subpart B (Class A)

Ordering Information

- **EKI-1511X** 1-port RS-422/485 Serial Device Server
- **EKI-1512X** 2-port RS-422/485 Serial Device Server

Dimensions
EKI-1511X

Unit: mm



EKI-1512X

