STE100A-232
1-Port RS-232 IP Device Server

STE100A-Serial
1-Port RS-232/422/485 IP Device Server

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Ethernet Serial Server

The IP Device Server provides the serial device server for hosts to control RS-232, 2 or 4 wire asynchronous RS-422/485 serial devices located virtually anywhere through a TCP/IP or UDP/IP connection. The Device Server has the DB9 port connection on one side, and a 10/100 Mbps Ethernet connection on the other side. It connects serial devices such as PLC, alarm sensors and PTZ camera control to IP networks. Applications include industrial/factory automation, public safety and surveillance systems. The IP Device Server Windows driver is designed to control the IP Serial Server devices. The driver installs a virtual COM on Windows which maps the virtual COM port to the IP address of the IP Serial Server device across the network, enabling the Windows applications to access remote serial devices over Ethernet. IP Device Server can function as a UDP or a server or client for TCP connection. The application scenarios are direct IP mode, virtual COM mode, and paired mode.
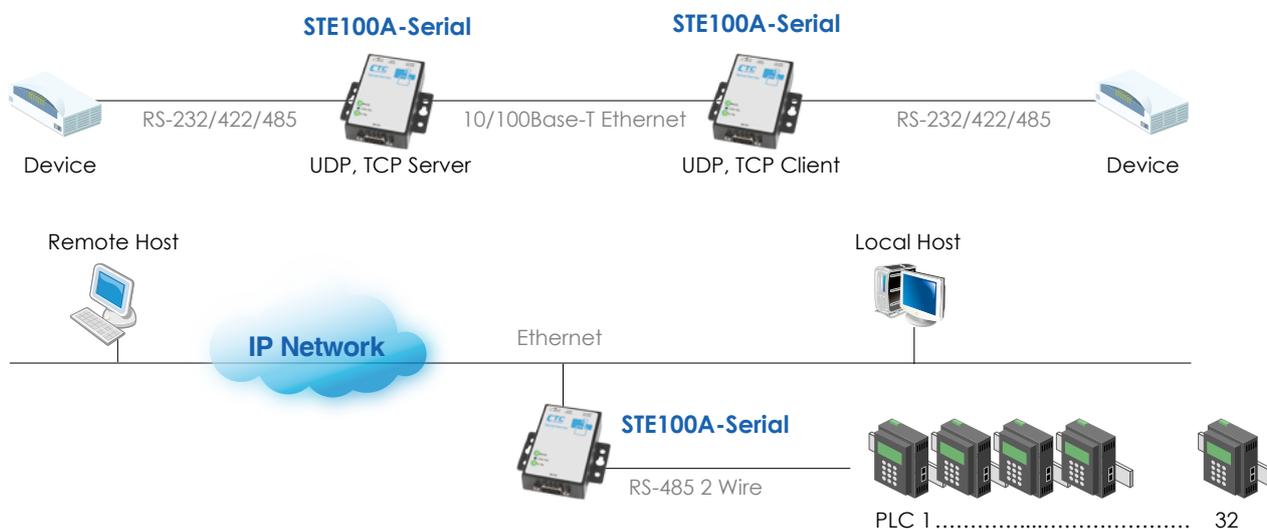
Features

- 10/100Mbps Ethernet port
- 230.4kbps serial interface
- TCP Server, TCP client, Virtual com mode, UDP
- Supports for DHCP, HTTP, ICMP, ARP, IP, UDP, TCP
- Easy to use with Windows utility

- 2 Wire(half duplex) or 4 Wire(full duplex)RS-422/485 (STE100A-Serial)
- Configuration by web browser
- Flexible RS-232/422/485 Interface (STE100A-Serial)
- Low power consumption with single + 12V to +48V input

Specifications

General	LED	Ready, TP Link/Act, Data TX/RX
	OS supported	Windows XP / 2000 / 2003 / 2008 / VISTA / WIN7 / WIN8
Serial Interface	STE100A-Serial : RS-232/422/485 STE100A-232 : RS-232	
Serial Connector	DB9 Male	
Baudrate	110 to 230.4Kbps	
Data bits	5, 6, 7, 8	
Stop bits	1, 1,5 for Data bits 5 mode; 1, 2 for data bits 6, 7, 8 mode	
Parity	None, Even, Odd	
Flow Control	None or RTS / CTS for RS-232 Full Duplex(4-Wire) or Half Duplex(2-Wire) for RS-422/485	
Data Packing Delimiter	1,2	
LAN Interface	RJ-45 connector, IEEE802.3 10/100Base-TX	

Communication Modes	TCP Server, TCP Client, Virtual COM mode, UDP
Protocols	TCP, UDP, IP, ARP, ICMP, HTTP, DHCP
Management	Web pages, Firmware upgrade
Security	Password Access
Power	12VDC
Operating Temperature	0 ~ 60℃
Storage Temperature	-10 ~ 70℃
Humidity	0 – 90% non-condensing
DIN rail mount	Yes
Panel mount	Yes
Dimensions	80.7 x 84.2 x 22mm (D x W x H) with DIN-Rail Mounting Kit
Certifications	CE, FCC

Application

STE100A-Serial   **STE100A-Serial**

Device — RS-232/422/485 — UDP, TCP Server — 10/100Base-T Ethernet — UDP, TCP Client — RS-232/422/485 — Device

Remote Host   Local Host

IP Network   Ethernet

STE100A-Serial

RS-485 2 Wire

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Appearance

STE100A-232

- Power input 12 to 48VDC
- Load Default/Reset Button
- Ethernet RJ45 10/100Mbps

RS-232

STE100A-Serial

- Power input 12 to 48VDC
- Load Default/Reset Button
- Ethernet RJ45 10/100Mbps

RS-232/422/485

Dimensions

STE100A-232

Unit: mm (inch)
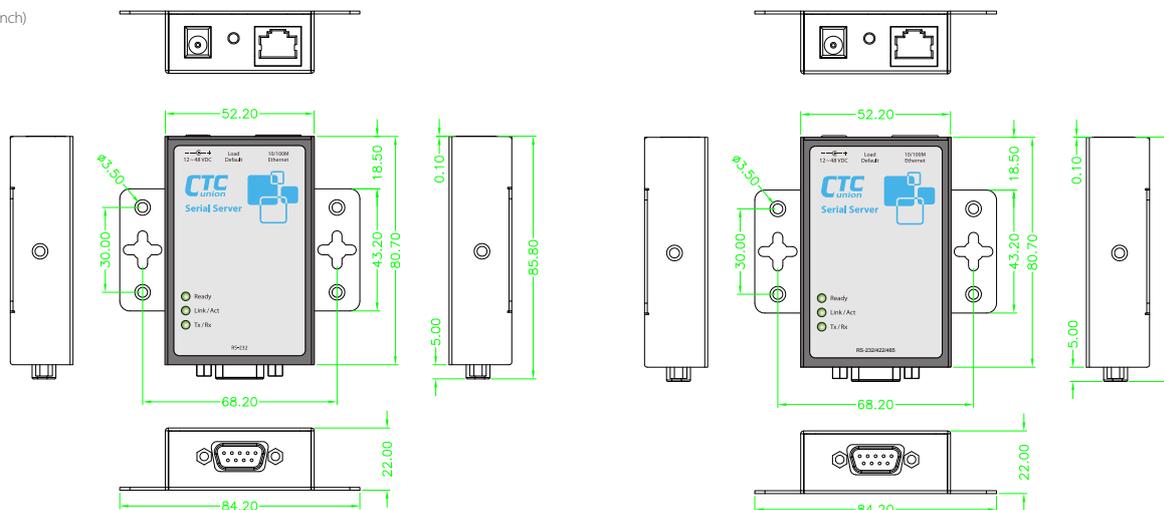
STE100A-Serial

Ordering Information

Model Name	Description
STE100A-232	1-port RS232 device server with AC power adapter
STE100A-Serial	1-port RS232/422/485 device server with AC power adapter
Optional accessories	
STE100A-Serial-WT	STE100A-Serial DB9 wiring terminal
STE100A/DRK01	STE100A/RS232,STE100A/Serial DIN-Rail Mounting Kit
Optional Power	
DC-APT/12V	-48VDC to 12VDC Adapter - 0.83 Amp, 10 Watts , Output 12 VDC, Input -48VDC

Din-Rail Mounting Kit
STE100A/DRK01

DB9 Wiring Terminal
STE100A-Serial-WT
(only for STE100A-Serial)

Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.