



## STE100A-232

RS232 Serial Server

## STE100A-Serial

RS485/232 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.

### Feature

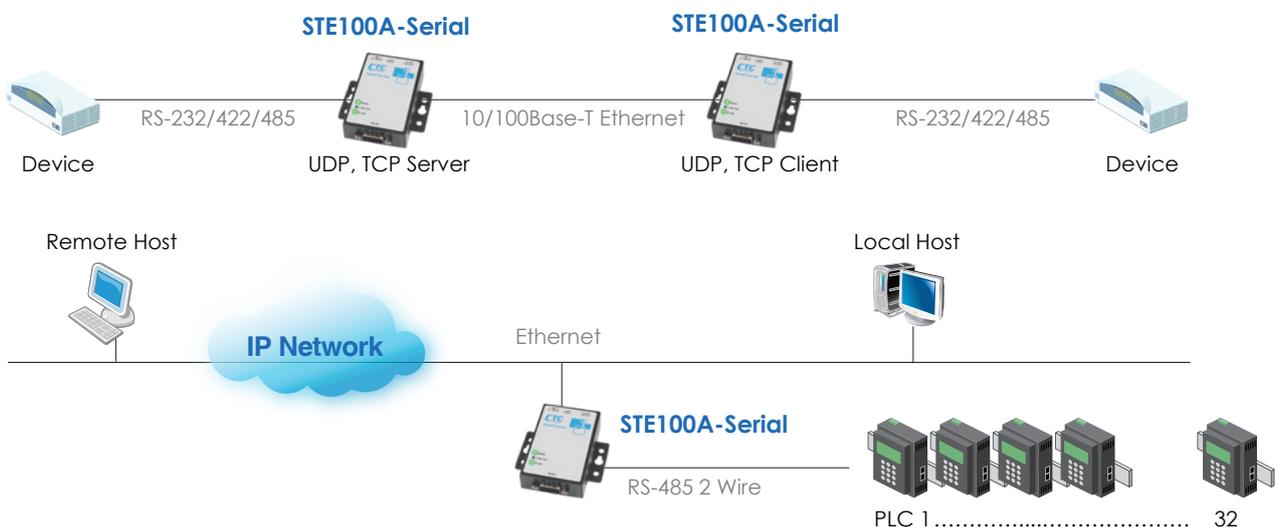
- Supports Web Management
- Supports IETF RFC4553 Structure-Agnostic TDM over Packet (SAToP), Metro Ethernet Forum MEF8
- 8 /16 x E1 NRZ Serial Interface with LOS/AIS detection
- Use Raw Encapsulation method for PDH payload over IP packet
- Supports Circuit Emulation Service over IPE
- Comply with IETF draft standard for CESoPSN and SAToP; Metro Ethernet Forum MEF8 IA
- Supports both Point-to-Point and Point-to-Multipoint operation
- Configurable IEEE 802.3 DA/SA assignment
- Supports 8/16 independent Adaptive Clock recovery block for Ingress PDH (PSN->TDM) clock generation. Recovered clock jitter is compliant with ITU-T G.823 (E1 Jitter Control)
- Independent configurable jitter buffer depth to compensate up to 250ms of Packet Delay Variation
- Lost packets processing / compensation via PW (Pseudo Wire) control field Sequence Number
- PDH LOS detection triggered PW L field or payload AIS generation at Egress direction (TDM->PSN)
- LED alarm display for E1 Power failure status

### Specifications

<b>General</b>	LED	Ready, TP Link/Act, Data TX/RX
	OS supported	Windows XP / 2000 / 2003 / 2008 / VISTA / WIN7 / WIN8
<b>Serial Interface</b>	STE100A-Serial I : RS-232/422/485 STE100A-232 : RS-232	
<b>Serial Connector</b>	DB9 Male	
<b>Baudrate</b>	110 to 230.4Kbps	
<b>Data bits</b>	5, 6, 7, 8	
<b>Stop bits</b>	1, 1.5 for Data bits 5 mode; 1, 2 for data bits 6, 7, 8 mode	
<b>Parity</b>	None, Even, Odd	
<b>Flow Control</b>	None or RTS / CTS for RS-232 Full Duplex(4-Wire) or Half Duplex(2-Wire) for RS-422/485	
<b>Data Packing Delimiter</b>	1,2	

<b>LAN Interface</b>	RJ-45 connector, IEEE802.3 10/100Base-TX
<b>Communication Modes</b>	TCP Server, TCP Client, Virtual COM mode, UDP
<b>Protocols</b>	TCP, UDP, IP, ARP, ICMP, HTTP, DHCP
<b>Management</b>	Web pages, Firmware upgrade
<b>Security</b>	Password Access
<b>Power</b>	12VDC
<b>Operating Temperature</b>	0 ~ 60°C
<b>Storage Temperature</b>	-10 ~ 70°C
<b>Humidity</b>	0 – 90% non-condensing
<b>DIN rail mount</b>	Yes
<b>Panel mount</b>	Yes
<b>Dimensions</b>	85.8 x 84.2 x 22mm (D x W x H) with DIN-Rail Mounting Kit
<b>Certifications</b>	CE, FCC

### Application



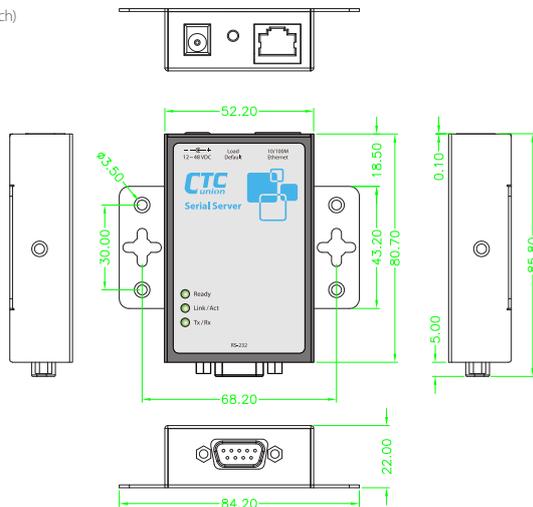
## Appearance



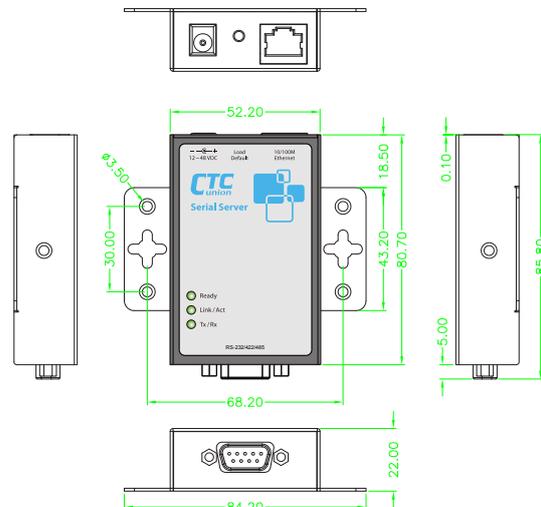
## Dimensions

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

#### Terminal & Wall Mount Kit

STE100A-Serial-WT	STE100A-Serial DB9 wiring terminal
STE100A/DRK01	STE100A/RS232,STE100A/Serial DIN-Rail Mounting Kit

#### Industrial Power Supply

DC-APT/12V	-48VDC to 12VDC Adapter - 0.83 Amp, 10 Watts , Output 12VDC, Input -48VDC
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### Package List

- STE100A-232 or STE100A-Serial device
- CD (VCOM, Manual)
- Switching power adapter
- Rubber Foot