

## STE211W & STE211

- ◀ 2-port Serial to Ethernet Wireless Device Server
- ▶ 2-port Serial to Ethernet Device Server

- ▲ Both Ethernet and WiFi for communication
- ▲ 15KV ESD protection for all signals
- ▲ RS422, RS485 surge protection
- ▲ High range operating temperature -20~70° C



The serial to Ethernet wireless device server (STE211W) and serial to Ethernet device server (STE211) provide a bridging device to connect RS-232/RS-485 Serial Data communications to hardwired Ethernet networks or WiFi wireless networks. 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 Serial converter is built for use in light industrial environments, featuring a compact wall-mount design. It operates from 9-32VDC power supply voltages with terminal block connectors and is easy to configure through its web GUI interface.

### Features

- 1-port RS-232 + 1-port RS-422/485
- As a Server, supports 4 TCP Clients connection simultaneously.
- As a Client, supports connecting with 4 TCP Servers.
- Easy installation with Windows IP Search utility
- Web browser configuration
- Supports 802.11b/g/n and Ethernet, 2 IPs (STE211W)
- Watch Dog Function

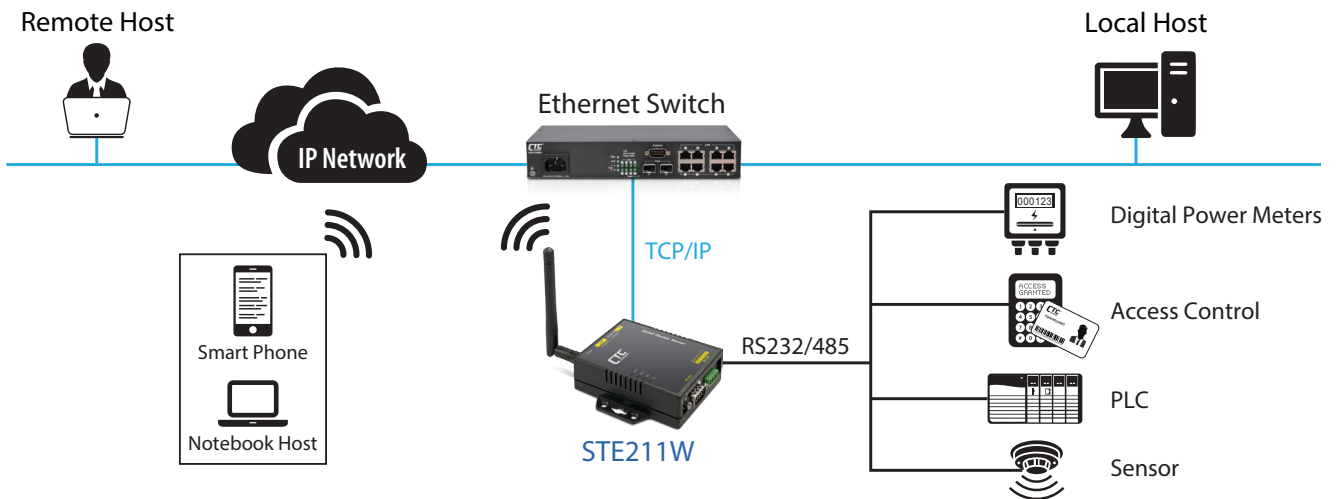
### Specifications

|             |                 |   |
|-------------|-----------------|---|
| Ethernet    | Port Type       | RJ-45 Connector                               |
|             | Speed           | 10/100 M bps (Auto Detecting)                 |
|             | Protocol        | ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, DNS, NTP |
|             | Mode            | TCP Server/TCP Client/UDP/Virtual Com         |
|             | Setup           | HTTP Browser Setup (IE, Chrome, Firefox)      |
|             | Security        | Setup Password                                |
|             | Protection      | Built-in 1.5KV Magnetic Isolation             |
|             | Serial Ports *2 | Port  |
| Port        |                 | RS-422 / 485 (Surge Protect)                  |
| Speed       |                 | 300 bps ~ 921.6 K bps                         |
| Parity      |                 | None, Odd, Even                               |
| Data Bit    |                 | 5, 6, 7, 8                                    |
| Stop Bit    |                 | 1, 2  |
| RS-232 Pins |                 | Rx, Tx, GND                                   |
| RS-422      |                 | Rx+, Rx-, Tx+, Tx- (Surge Protect)            |
| RS-485      |                 | Data+, Data- (Surge Protect)                  |
|             |                 | 15KV ESD for All Signals                      |

# Serial Device Server

|                       |                             |  |  |
|-----------------------|-----------------------------|--|--|
| WiFi<br>(STE211W)     | Standard                    | 802.11b/g/n                                      |  |
|                       | Data Rate                   | 11/54/72.2 Mbps @ 20Mhz Band Width               |  |
|                       | Modulation                  | DSSS; OFDM                                       |  |
|                       | Frequency                   | 2.4GHz   |  |
|                       | Tx Power 11b                | Max. 22dBm                                       |  |
|                       | Tx Power 11g/n              | Max. 19dBm                                       |  |
|                       | Rx Sensitivity              | -76dBm@54Mbps; -89.5dBm@11Mbps                   |  |
|                       | Tx Rate                     | Max. 54Mbps with auto fallback                   |  |
|                       | Tx Distance                 | Up to 100 Meters                                 |  |
|                       | Security                    | WEP 64-bit / 128-bit data encryption, WPA / WPA2 |  |
|                       | Antenna                     | 2 dBi ; RP-SMA connector                         |  |
|                       | Network Mode                | Infrastructure; Soft AP (for Setup)              |  |
|                       | LED                         | SYS, RX, TX, LAN and WiFi (STE211W)              |  |
|                       | Power                       | DC 9~32V, supports DC Jack & Terminal Input      |  |
| Power Consumption     | 2W                          |  |  |
| MTBF                  | 60,000 hours (MIL-HDBK-217) |  |  |
| Mechanical            | Dimensions                  | 110 x 90 x 26 mm (W x D x H)                     |  |
|                       | Weight                      | 110g   |  |
|                       | Housing                     | plastic  |  |
| Installation Mounting | Wall Mounting               |  |  |
| Environment           | Operating Temperature       | -20°C ~ 70°C                                     |  |
|                       | Storage Temperature         | -25°C ~ 80°C                                     |  |
| Certification         | FCC, CE                     |  |  |

## Application



## Ordering Information

| Model Name | Description   |
|------------|---|
| STE211W    | 1x RS232, 1x RS422/485 Serial to Ethernet Wireless Device Server with Power Adapter |
| STE211     | 1x RS232, 1x RS422/485 Serial to Ethernet Device Server with Power Adapter          |