

# WIZ550S2E Datasheet

## Overview

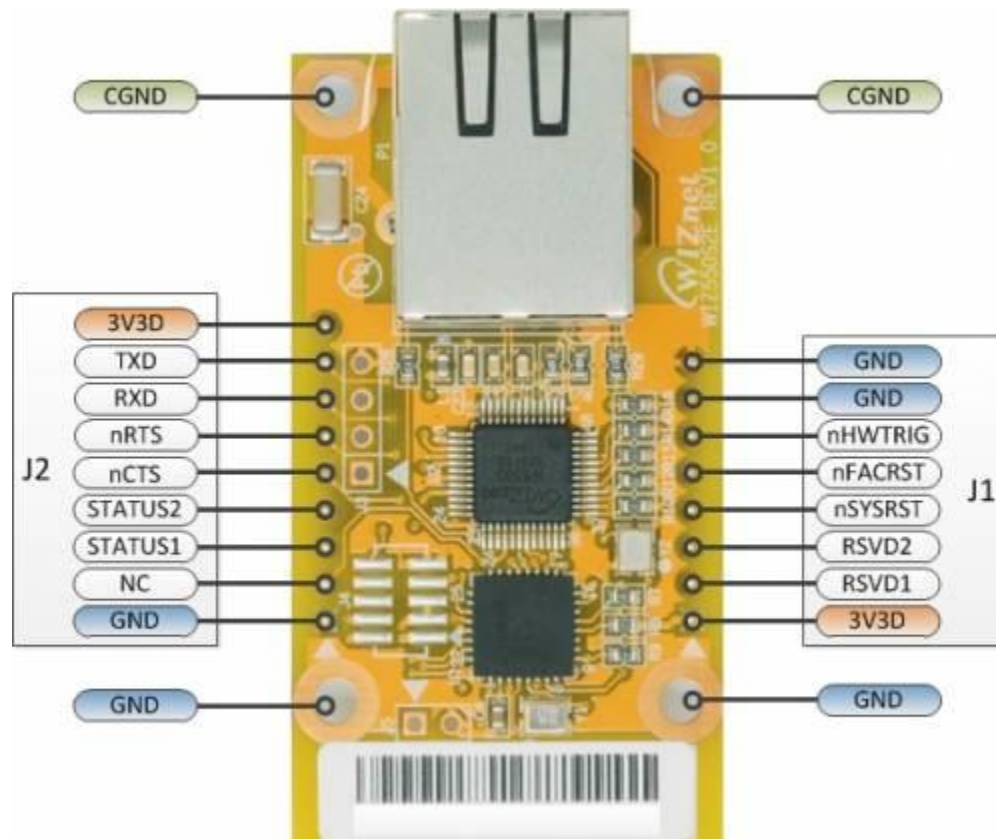
This page provides information about the hardware description of WIZ550S2E base on RS232 & RS422/485 Interface board as following:

- Basic Hardware Specification
- Operating Characteristics
- Reference Schematics
- Dimension information

## Hardware Specification

### WIZ550S2E

- MCU LPC11E36FHN33
- TCP/IP Controller W5500
- RJ45(Integrated Transformer)
- 2.54mm Header x2



### Pin Description

| Ref No. | Pin No. | Symbol  | Type | Description  |
|---------|---------|---------|------|--|
|         | 1       | 3V3D    | P    | Supply DC+3.3V   |
|         | 2       | RSVD1   | I/O  | Reserved I/O   |
|         | 3       | RSVD2   | I/O  | Reserved I/O   |
|         | 4       | nSYSRST | I    | System reset input. Active Low.  |
| J1      | 5       | nFACRST | I    | Factory reset. Active Low > 5sec. Changing the settings of the module to the default value |
|         | 6       | nHWTRIG | I    | Hardware Trigger input Active Low.   |
|         | 7       | GND     | P    | Power Ground   |
|         | 8       | GND     | P    | Power Ground   |

| Ref No. | Pin No. | Symbol  | Type | Description  |
|---------|---------|---------|------|--|
|         | 1       | GND     | P    | Power Ground   |
|         | 2       | NC      | -    | No connection  |
|         | 3       | STATUS1 | O    | Output for LED Display<br>High and low once a second when operating            |
|         | 4       | STATUS2 | O    | Output for LED Display<br>Low when operating                                   |
| J2      | 5       | nCTS    | I    | Clear To Send input for UART   |
|         | 6       | nRTS    | O    | Request To Send output for UART.<br>This pin also serves as the RS485 control. |
|         | 7       | RXD     | I    | Receiver input for UART  |
|         | 8       | TXD     | O    | Transmitter output for UART  |
|         | 9       | 3V3D    | P    | Supply DC+3.3V   |

# Characteristic

WIZ550S2E

**Input Power** DC +3.3V

**Current Consumption** 140mA(Typ.)

**Operating Temperature** -40 ~ 85 °C

# Schematic

| Item      | Version | Schematic(PDF)                | Schematic(CAD)                  |
|-----------|---------|-------------------------------|---------------------------------|
| WIZ550S2E | 1.1     | <a href="#">Schematic PDF</a> | <a href="#">Schematic ORCAD</a> |

| Item      | Version | Partlist                     | Gerber(Unit)           |
|-----------|---------|------------------------------|------------------------|
| WIZ550S2E | 1.1     | <a href="#">Partlist PDF</a> | <a href="#">Gerber</a> |

# Dimension (Unit: mm)

