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Arduino ESP32 Serial Port to TCP Converter via WiFi

How to create serial port to TCP converter using Arduino code running on ESP32 processor, using Moduino X ESP32 industrial device.

🔊 Intermediate(/projects?difficulty=intermediate) 💡 Protip 👁 19,074



Things used in this project

Hardware components

TECHBASE

Moduino X ESP32



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Story

In this class, you will create **serial port to TCP converter** using Arduino code running on **ESP32** processor. We will use one of device which uses such processor: **Moduino X ESP32**. For TCP communication WiFi module will be used.

You will need:

- **Moduino X2** (may be also X1) ESP32 device (check this (https://moduino.techbase.eu/)website to find out more

- PC with Linux operating system
- *socat* application
- RS-232/RS-485 port in your computer or USB to RS-232/RS-485 converter (for programming and testing)

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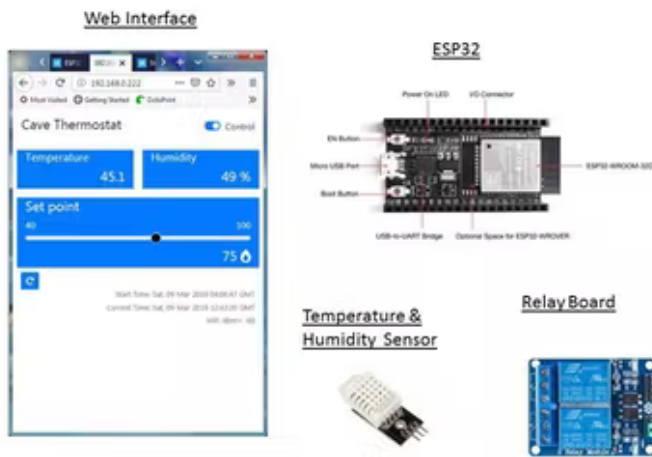
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2 years ago

Hello, nice Project!! It works with ESP32Dev Module too. Good luck!

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