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# Framework Serial Port Connection Guide

Serial ports have many uses for development, especially in the development of embedded systems and hardware interfaces. The following are the main uses of serial ports in development:

**Debugging and Logging:** Developers can output debugging information, which helps identify and resolve issues. This is especially important for embedded systems, which may lack the resources to support complex debugging tools.

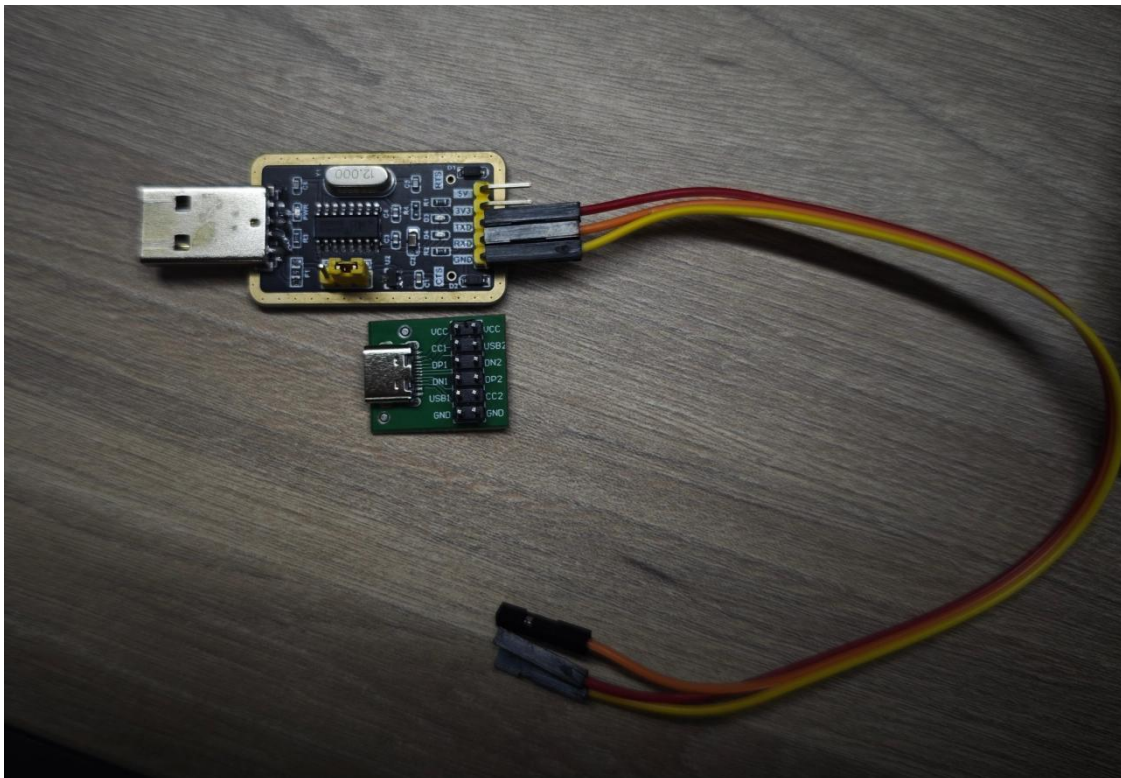
**Configuring and Monitoring:** Serial ports can be used to configure hardware settings or monitor device status. For example, they can be used to configure IP addresses or view device statistics through the management interface of a network device.

## Tools

- A multifunctional Type-C data cable



- Serial cable and serial tool

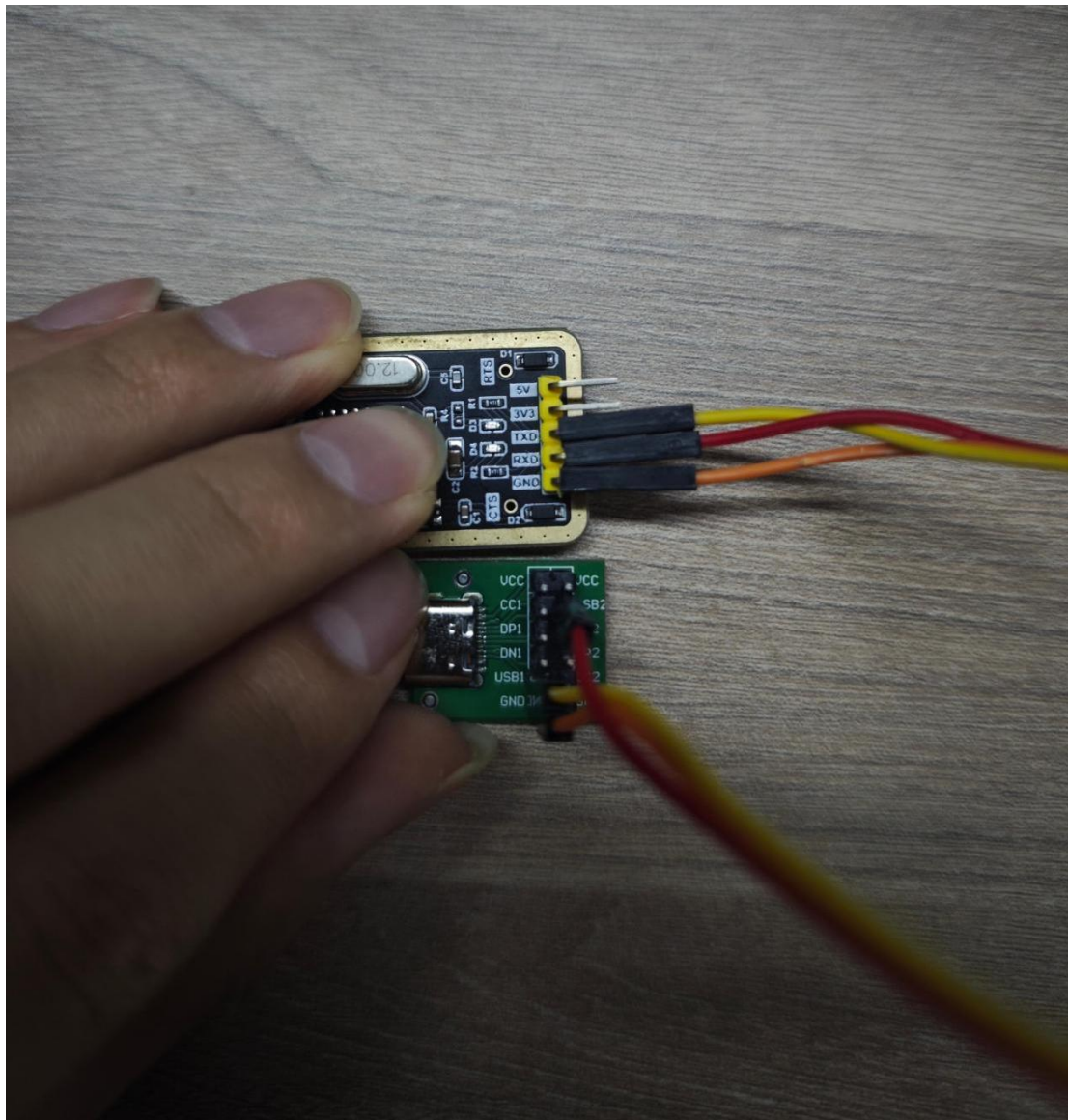


## Serial Port Signal Level

- TXD 3.3V
- RXD 3.3V

## Serial Cable Connection Guide

- Connect GND to GND
- Connect SUB1/USB1/SBU1 to TXD
- Connect SUB2/USB2/SBU2 to RXD





# Multifunctional Dual-Ended Type-C Data Cable Connects to the Framework Laptop

- Keep the text-facing side up and connect the dual-ended Type-C to the bottom-right Type-C port of the Framework Laptop to the serial port





- The following is the effect picture after the serial port is connected

