

Building a communication application between STM32 kit and computer using UART serial communication standard

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Abstract: In practice, communication between STM32 devices and computers plays a crucial role in automation and monitoring systems. This project aims to build an efficient application to improve communication capabilities via the UART standard. By applying digital theory and experimentation, the project will introduce a method for implementing a communication system between the STM32 kit and a computer. Through this, the study hopes to achieve results that can be widely applied in various industrial and technical scientific fields.

Keywords: STM32, UART, Digital Communication, Automation, Monitoring