

Build an application to communicate with the STM32 kit via Ethernet interface.

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Abstract: In today's information technology practice, strong and efficient connectivity between IoT devices is crucial. This topic focuses on building an application that enables communication with the STM32 kit via the Ethernet interface. The objective of the research is to create a system capable of collecting data from sensors and transmitting information over the Ethernet network to a server. The method combines theoretical knowledge of IoT technology with practical implementation of the application on the STM32 kit. The expected outcome of the project is an effective solution for enhancing data processing and analysis capabilities in IoT systems, making a significant contribution to the field of information technology.

Keywords: STM32, Ethernet, IoT, Communication, Application Research