

Research on the STM32 family and its applications

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Abstract: This topic focuses on researching the STM32 microcontroller series, one of the most popular microcontroller product lines from STMicroelectronics. The current practical context requires a deep understanding of the capabilities and flexible applications of these devices. The main objective of the topic is to explore the technical potential and build a system based on STM32 to solve a specific problem in the fields of automation and IoT. The research methodology includes theoretical analysis, experimentation, and practical application deployment. The expected results of this topic not only provide important knowledge about STM32 but also contribute to improving the performance of automation and IoT systems.

Keywords: STM32, microcontroller, automation, IoT, applications