

Building a practice module on the FRDM-KL46Z KIT

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Abstract: This project aims to build a practice module using the FRDM-KL46Z development board, meeting the experimental and learning needs in the field of electronic engineering. Through theoretical research on SoC architecture and programming methods for microcontrollers, combined with the implementation of source code on the KIT, the project seeks to provide a flexible solution to support practical skill education for students. The expected results will contribute significantly to the electronic engineering learning ecosystem, while promoting understanding of microcontroller applications in real-world industrial contexts.

Keywords: FRDM-KL46Z kit, practice module, microcontroller programming, electronic engineering, system-on-chip