

Design of an advertising screen control system using LCD module and ARM LPC2148 microcontroller

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Abstract: In the modern context, transmitting information through digital media has become more important than ever. This topic focuses on designing an advertising screen control system using an LCD module and the ARM LPC2148 microcontroller. The goal is to build a flexible and efficient solution for displaying advertising content on digital platforms. The research methodology includes both theoretical knowledge of electronics and hands-on experimentation with hardware. The expected results will significantly contribute to the digital communication industry, providing a practical application solution for managing advertising content.

Keywords: Control system, LCD module, ARM LPC2148 microcontroller, advertising display, digital communication