

# **Design of input module for embedded system controlling advertising screen using LPC2148**

**Tran Trong Nghia**

**Abstract:** The study proposes the design of an efficient input module for embedded systems, aiming to provide an optimal solution for controlling advertising displays. The research focuses on developing and deploying an application on the LPC2148 chip to meet the practical demands for high reliability and data processing capability of embedded systems. Through a combination of theoretical research and experimentation, the objective is to build a high-performance system for advertising displays, while identifying technical challenges and potential solutions. The expected results of this study not only contribute to the development of embedded system technology but also expand the application scope of the LPC2148 chip in industrial fields.

**Keywords:** Embedded system, Advertising display, LPC2148 chip