

# **Connect and control via I2C interface to control a small power electric fan.**

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**Abstract:** This topic focuses on connecting and controlling electronic circuits via the I2C interface with low power consumption. The research context addresses the need for efficient solutions in optimizing energy and cost for IoT systems. The objective is to build a system capable of interfacing multiple electronic devices simultaneously while ensuring high accuracy and response speed. The research methodology includes both theoretical analysis and experimentation to verify the performance of the I2C solution in controlling electronic circuits. The expected outcome of this topic is to provide a flexible application platform for IoT projects, while expanding the capability for multi-device control in modern electronic environments.

**Keywords:** I2C interface, Low power control, IoT system