

Server room environmental monitoring system using ESP32 and MQTT

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Abstract: In the context of high demands for server system stability and performance, developing a server room environment monitoring system is essential to ensure service quality. This project focuses on building and deploying an automated system to monitor environmental factors such as temperature and humidity in the server room using an ESP32 microcontroller connected via the MQTT protocol. Through theoretical research on server environments and experimentation with IoT technology, the project aims to contribute a flexible and efficient solution for monitoring and controlling the server room environment, thereby enhancing the security and reliability of the server system.

Keywords: Monitoring system, ESP32, MQTT, Server environment, IoT