

Building a remote monitoring and control system using RFID technology combined with IoT.

Nguyen Quang Thanh Long

Abstract: In the context of the increasing demand for asset and personnel management in distributed environments, this topic focuses on building a remote monitoring and control system based on the integration of RFID technology with the Internet of Things (IoT). The goal is to create a practical solution for tracking the location and managing devices or assets over a wide area. Through theoretical research combined with application deployment, the topic aims to provide an efficient system with real-time monitoring capabilities, cost savings, and easy integration into various existing systems. The results of this project will contribute significantly to the fields of IoT and RFID, opening up broad application potential in different industries.

Keywords: RFID, IoT, remote monitoring, asset management, control systems