

RFID technology and its application in anti-theft lock design.

Ha Thi Lan

Abstract: In the context of increasing property theft incidents, this topic focuses on researching Radio Frequency Identification (RFID) technology to develop a security lock system. The main objective of the research is to successfully build and test an anti-theft lock using RFID, aiming to ensure safety and convenience for users. The implementation method includes analyzing RFID theory, designing circuits and software programs, then deploying the application in a real-world environment to evaluate effectiveness. The expected outcome of the research is to provide a useful solution, contributing to enhancing personal security and promoting technological development in the field of security.

Keywords: RFID, anti-theft lock, personal security, system design, practical application