

The Development of Encrypted Near Field Communication Data Exchange Format Transmission in an NFC Passive Tag for Checking the Genuine Product

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Abstract : This paper presents the development of encrypted near field communication (NFC) data exchange format transmission in an NFC passive tag for the feasibility of implementing a genuine product authentication. We propose a research encryption and checking the genuine product into four major categories; concept, infrastructure, development and applications. This result shows the passive NFC-forum Type 2 tag can be configured to be compatible with the NFC data exchange format (NDEF), which can be automatically partially data updated when there is NFC field.

Keywords : near field communication, NFC data exchange format, checking the genuine product, encrypted NFC

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