

Infineon NFC Verifier Mobile Applications And Cloud Services

Release Notes

About this document

Scope and purpose

This document describes the installation requirements, features, release artifacts, and limitations of the Infineon NFC verifier mobile applications and cloud services.

Intended audience

This document is primarily intended for users of the Infineon NFC verifier mobile applications (iOS and Android).

Table of contents

	About this document	1
	Table of contents	2
	List of tables	3
1	Overview	4
1.1	Installation requirements	4
1.1.1	Hardware requirements	4
1.1.2	Software requirements	4
1.2	Features	4
1.3	Supported products	5
1.4	Unsupported products	5
2	Release artifacts	6
3	Changes	7
4	Known limitation	8
4.1	Overview of limitation	8
4.2	Reading product and service information with secure messaging mode is not supported	8
	References	9
	Glossary	10
	Revision history	11
	Disclaimer	12

List of tables

List of tables

Table 1	Release artifacts	6
Table 2	Overview of limitation	8

1 Overview

1 Overview

Infinion NFC verifier is a mobile application that allows users to verify the authenticity of a product and to view product details using NFC. This mobile application is available for iPhone and Android devices.

Infinion NFC verifier cloud service provides the authentication service in the cloud via Amazon Web Services (AWS) cloud. This cloud service is used by the Infineon NFC verifier mobile application for brand verification. The cloud service also provides a landing web-page, which is displayed when a tag is scanned without the application.

1.1 Installation requirements

The installation of the Infineon NFC verifier mobile application requires the following minimum software and hardware requirements.

1.1.1 Hardware requirements

- iPhone 8 and above
- Android phone with NFC
- Secured NFC tags (refer to [Chapter 1.3](#))

1.1.2 Software requirements

- iOS 13 and above
- Android 5 and above
- Amazon Web Services (AWS) account with administrator rights (required if hosting the cloud infrastructure)

1.2 Features

The supported features of the Infineon NFC verifier mobile applications and cloud services are as follows:

Infinion NFC verifier iOS & Android applications:

- Read brand protection application profiles such as A10, B10 and B20
- Perform cloud service authentication
- Display product information
- Display service information
- View product web-page
- Auto-open product web-page after verification
- Display the recent transaction log including APDUs and cloud communication
- Auto-open configuration options

Infinion NFC verifier Cloud Service:

- Authentication service:
 - Generate mutual authentication command
 - Verify mutual authentication response
- Authentication session management
- Keys and products management service
- Landing web-page

1 Overview

1.3 Supported products

The Infineon NFC verifier mobile applications support the following Infineon products:

- NFC4TC304
- NFC4TC1K0
- NFC4TC2K0
- NFC4TC4K0

1.4 Unsupported products

The following Infineon products are not supported in the Infineon NFC verifier mobile applications:

- my-d[™] move
- my-d[™] vicinity
- my-d[™] NFC
- Products based on Java Card

2 Release artifacts

2 Release artifacts

Table 1 Release artifacts

Release artifact	Version	Description
Infineon NFC verifier - iOS application	1.0	iOS application is available in Apple App Store [2]
Infineon NFC verifier - Android application	1.0	Android application is available in Google Play Store [3]
Infineon NFC verifier Cloud Service	1.0	AWS Cloud Service (hosted in AWS region: eu-central-1)
AWS CloudFormation templates	1.0	AWS CloudFormation templates are available in GitHub [1]

3 Changes

3 Changes

This is the first release of the product.

4 Known limitation

4 Known limitation

This chapter explains the known limitation and workaround for the Infineon NFC verifier mobile applications and cloud service.

4.1 Overview of limitation

Table 2 Overview of limitation

Limitation	First release
Reading product and service information with secure messaging mode is not supported	X

4.2 Reading product and service information with secure messaging mode is not supported

Wrapping of secure messaging commands and unwrapping of secure messaging responses are currently not supported by the cloud service. Therefore, reading the product and service information files in secure messaging mode is not supported after authentication with the tag.

Workaround

There is no workaround.

References

Infineon

- [1] NFC Brand Protection: *NFC 2Go Starter Kit For Brand Protection* - GitHub - <https://github.com/Infineon/NFC-verifier>
- [2] NFC Brand Protection: *Infineon NFC verifier (iOS)* - Available in Apple App Store - <https://apps.apple.com/us/developer/infineon-technologies-ag/id469396533/>
- [3] NFC Brand Protection: *Infineon NFC verifier (Android)* - Available in Google Play Store - <https://play.google.com/store/apps/developer?id=Infineon+Technologies+AG>
- [4] NFC Brand Protection: *NFC 2Go Starter Kit For Brand Protection, User Guide (Revision 1.0)*; 2022-06-08

Glossary

ADF

application dedicated file (ADF)

APDU

application protocol data unit (APDU)

The communication unit between a smart card reader and a smart card.

NFC

near field communication (NFC)

Revision history

Revision history

Reference	Description
Revision 1.0, 2022-06-08	
All	Initial version

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