

NFC376 Module User Manual

Model Name: NFC376

Version 0.1

Contents

- 1 NFC Hardware
 - 1.1 Basic Spec
 - 1.2 Appearance and connector
- 2 NFC Software
 - 2.1 How to test/verify PNFC20 on 10X/10PD-RM
 - 2.2 Installation
- 3 NFC Mechanical

1 NFC Hardware

1.1 Basic Spec.

ISO/IEC 14443 Type A/B, read mode, 848 kbps
ISO/IEC 15693
Mifare
Felica(Card UID)
Frequency: 13,56 MHz
Interface: USB 2.0
Power supply: USB Bus
Reading distance: up to 30mm

1.2 Appearance and connector



1.2.1 Screw Hole: Used to fix the module and host

1.2.2 POGO PIN: Connect to the host

1.2.3 NFC Unit Antenna: Location used to read NFC Tag data

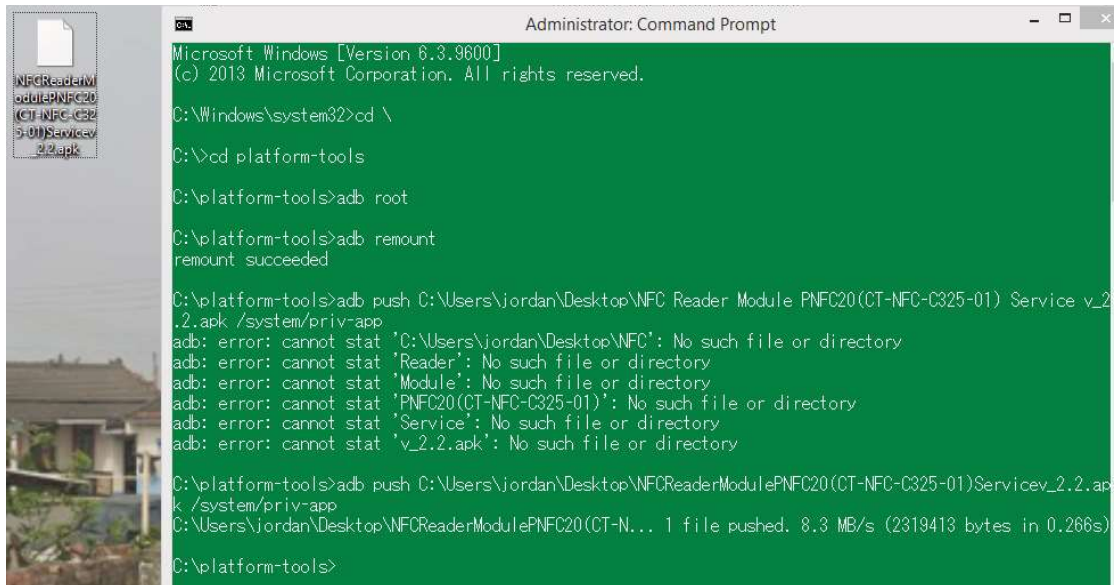
2 NFC Software

2.1.1 Preparation before installation

- 2.1.1.1 Please prepare below 4 items
- 2.1.1.2 PC: Windows 7 Above
- 2.1.1.3 10XPL/10PD-RM
- 2.1.1.4 NFC Reader Module PNFC20(CT-NFC-C325-01) Service v_2.2.apk
- 2.1.1.5 NFCReaderDemo.apk

2.2 Installation

- 2.2.1 Please use below adb commands to install “NFC Reader Module PNFC20(CT-NFC-C325-01) Service v_2.2.apk” into 10XPL, and also refer to below explanation... (note: the correct adb command should be adb push
C:\XXX\YYY\NFCReaderModulePNFC20(CT-NFC-C325-01)Servicev_2.2.apk /system/priv-app)



The screenshot shows a Windows desktop with a file icon on the left labeled "NFCReaderModulePNFC20(CT-NFC-C325-01)Servicev_2.2.apk". To the right is an "Administrator: Command Prompt" window. The command prompt shows the following sequence of commands and outputs:

```
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd \

C:\>cd platform-tools

C:\platform-tools>adb root

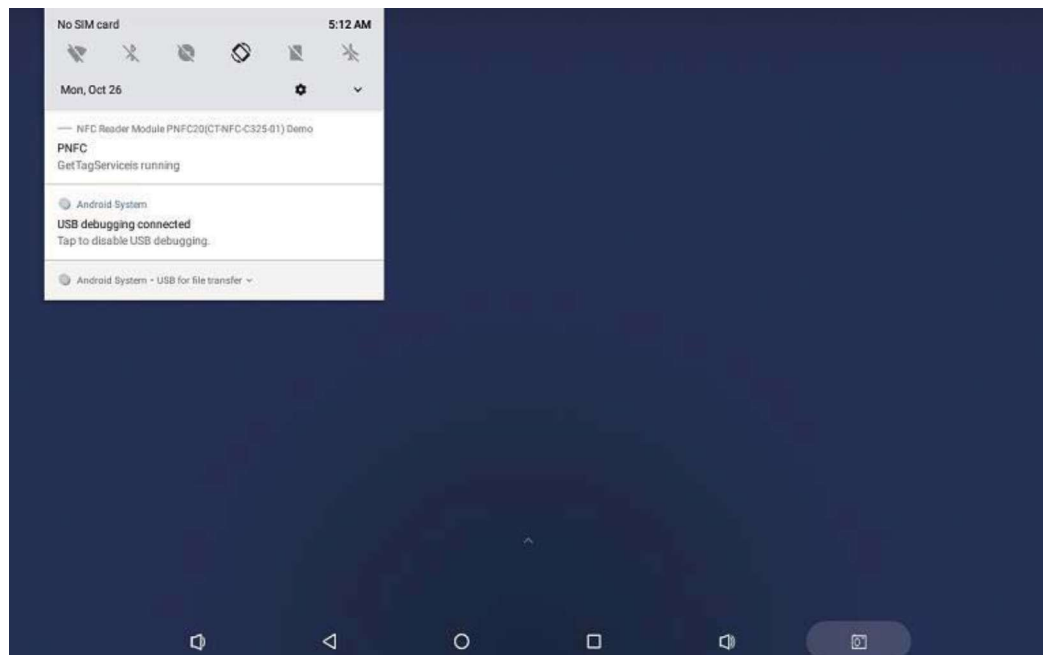
C:\platform-tools>adb remount
remount succeeded

C:\platform-tools>adb push C:\Users\Jordan\Desktop\NFC Reader Module PNFC20(CT-NFC-C325-01) Service v_2.2.apk /system/priv-app
adb: error: cannot stat 'C:\Users\Jordan\Desktop\NFC': No such file or directory
adb: error: cannot stat 'Reader': No such file or directory
adb: error: cannot stat 'Module': No such file or directory
adb: error: cannot stat 'PNFC20(CT-NFC-C325-01)': No such file or directory
adb: error: cannot stat 'Service': No such file or directory
adb: error: cannot stat 'v_2.2.apk': No such file or directory

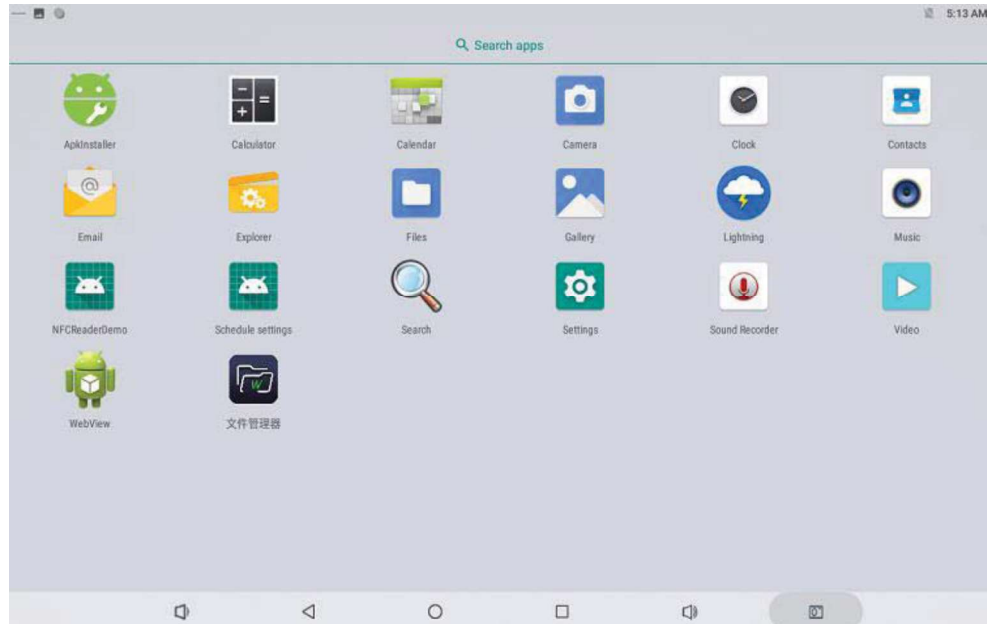
C:\platform-tools>adb push C:\Users\Jordan\Desktop\NFCReaderModulePNFC20(CT-NFC-C325-01)Servicev_2.2.apk /system/priv-app
C:\Users\Jordan\Desktop\NFCReaderModulePNFC20(CT-N... 1 file pushed, 8.3 MB/s (2319413 bytes in 0.268s)

C:\platform-tools>
```

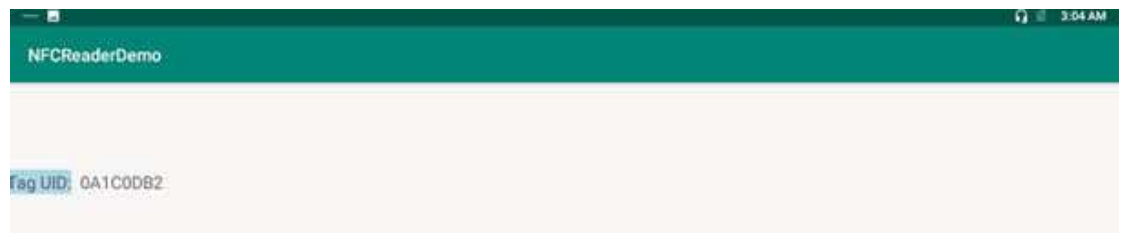
2.2.2 After you've finished above step-2, rebooted your 10XPL to make the setting take effect, and you should be able to see PNFC running message



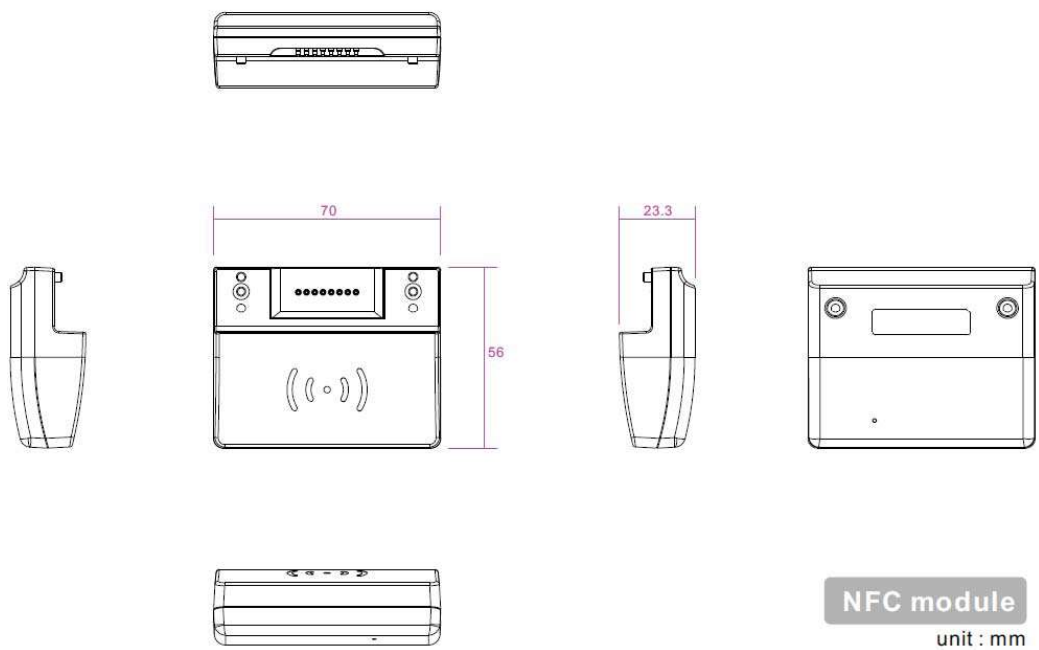
2.2.3 Please install the other apk as “NFCReaderDemo”



2.2.4 Please connect to PNFC20, start your test/verification, and it should work fine as below



3 Mechanical



Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference, and
- 2) this device must accept any interference received, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.