NFC expansion kit
for Shuttle XPC all-in-one P20U

The Shuttle XPC accessory PNFC01 adds integrated NFC functionality to the Shuttle XPC all-in-one P20U for easy wireless data transfer. The NFC module consists of a NFC daughterboard with an internal antenna. The supplied NFC label marks the position on the chassis where an NFC tag can be read.
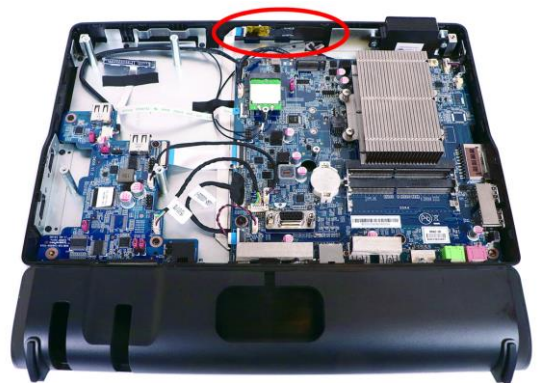
Shuttle XPC accessory
PNFC01
NFC expansion kit

Feature Highlights

Contents	• NFC module: daughterboard with antenna • Sticker with NFC icon • Quick installation guide
Technical Description	• Writes and reads NFC tags at 13.56 MHz • Model: SM-MMN17-C01 • Vendor: Smart Approach Co., Ltd. • Chipset: NXP NPC100 • Compliant with ISO/IEC 14443 A/B, 15693, 18092, NFCIP-1, NFCIP-2 • Supports MIFARE and Felica specifications • Interface: I2C
Dimensions	• Daughterboard: 26.65 x 10.00 mm • Antenna Area: 32.00 x 10.00 mm • Total Size: 63.65 x 10.00 mm
Radio Range	• The PNFC01 accessory kit is intended to be installed in the Shuttle XPC all-in-one P20U. An NFC sticker on the chassis marks the location of the NFC antenna. The radio range at this point is at least 10 mm above the chassis.
Compatibility	• Supports Windows 10 (no other drivers available) • For installation in the Shuttle XPC all-in-one P20U • Supports 13.56 MHz standard NFC tags (type 1~4) as typically used in NFC stickers and identity cards, passports, membership cards, travel tickets etc. • Not suitable for UHF tags and RFID stickers • Not certified for payment applications

Images for illustration purposes only.

Shuttle XPC All-inOne Barebone P20U opened chassis. The NFC kit is built-in at the marked position..

The sticker with the NFC icon marks the position of the NFC antenna inside the Shuttle XPC All-inOne Barebone P20U.

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Quick Installation Guide for PNFC01

**Due to safety reasons, please turn off your computer completely first
and unplug it from the power supply.**

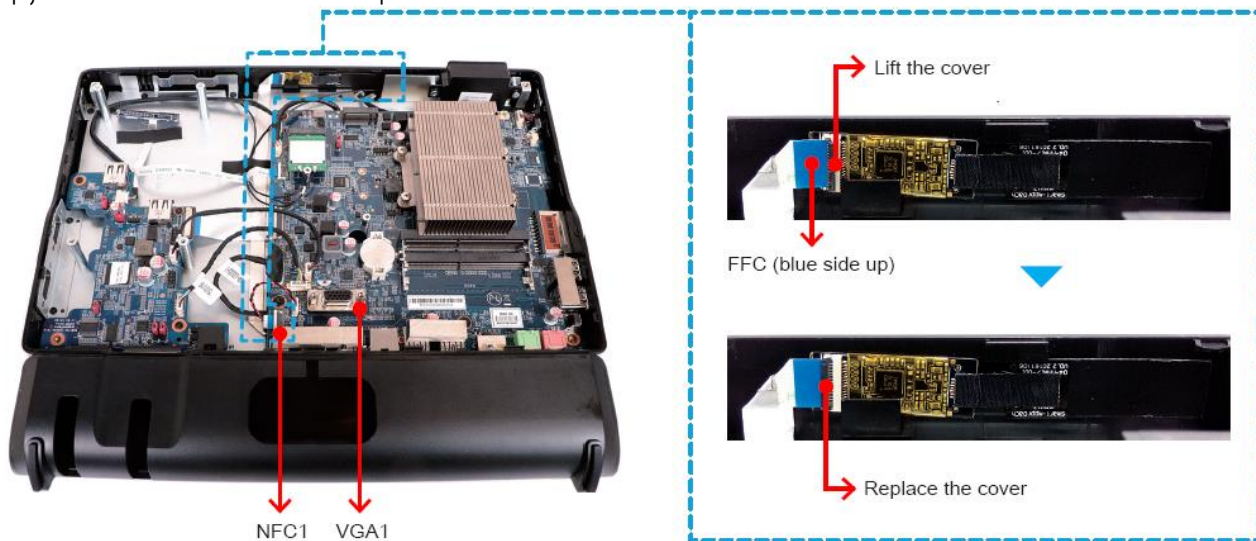1. Unscrew the four screws of the back cover.

2. Pull the back cover upward and put it aside. Unscrew the two screws of the D-Sub (VGA) port on the motherboard and remove the D-Sub (VGA) cable.

3. Take the NFC module out of the accessory box and tear off the adhesive membrane.

4. As shown, affix the NFC module and lift the cover, then connect the FFC Flat Flex Cable (blue side up) to the NFC module and replace the cover.

5. Reconnect the D-Sub (VGA) cable to "VGA1" and replace the back cover, then refasten the screws.

6. Take the NFC sticker out of the accessory box and tear off the adhesive membrane, then place the NFC sticker on the chassis as shown.