

Pen Reader For ISO 14443A & 15693 Standard

Model: PR-NFC

Manufacturer: Wontec International Co., Ltd

1. Introduction

PR-NFC is an easy-to-use reader operating in the 13.56MHz frequency band. PR-NFC complies with the internationally recognized ISO 14443A & 15693 standard. This RFID reader supports Microsoft Windows 98 / 2000 / XP / Win7&8 operating systems, with its simple interface make it ideal for mobile device integrations.

2. Tag Compatibilities

NXP Mifare S50
NXP Mifare S70
NXP Ultralight
NXP DESFire
NXP I-Code SLI (E004)
TI Tag-it (E007)
INFINEON (E005)



Tag compatible with above are also available

3. System Hardware Specification

Item	Specification
RFID Standard	ISO 14443A & ISO 15693 compliant
Operating Frequency	13.56MHz
Storage Temperature	-10 ⁰ C to +60 ⁰ C
Operating Temperature	0 ⁰ C to +50 ⁰ C
Operating Distance	0.5 cm – 2 cm depends on Tag type
Host Interface	USB
Host Communication Speed	USB 1.1 / 1.5Mbps
DC Power	5.0VDC \pm 0.5V through USB connector
Dimension	70mm x 20mm x 9.8mm

4. Operating Mode

- Standard: Keyboard Reader Mode (HEX)

Under this mode of operation, reader communicates with host through the built-in USB connector. The reader will perform the following tasks:

- The host (PC) will recognize the reader as a standard keyboard and the host system's default keyboard driver will be used. Valid character only include 0-9 and A-F.
- Continuously try to read tag UID, only one tag can be within antenna range at a time. No anti-collision.
- When detecting valid tag within read range, tag's UID will be sent to the host ONE TIME ONLY using standard keyboard character format. A carriage return character should be appended automatically at the end of UID to simulate the "Enter" key. Tag UID will not be transmitted to the host again until the tag is first removed.