Pen Reader For ISO 14443A & 15693 Standard

Model: PR-NFC

1. Introduction

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

2. Tag Compatibilities

NXP Mifare S50
NXP Mifare S70
NXP Ultralight
NXP DESFire
I-CODE SLI – series

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	-10^0C to $+60^0$C
Operating Temperature	0^0C 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.

Pen Reader For NXP 14443A Standard

Model: PR-S50

1. Introduction

PR-S50 is an easy-to-use reader operating in the 13.56MHz frequency band.
PR-S50 complies with the internationally recognized ISO-14443A standard. This RFID reader supports Microsoft Windows 98 / 2000 / XP / Win7 & 8 operating systems, with it's simple interface make it ideal for mobile device integrations.

2. Tag Compatibilities

NXP Mifare S50
NXP Mifare S70
NXP Ultralight
NXP DESFire

3. System Hardware Specification

Item	Specification
RFID Standard	Full ISO-14443A (Mifare) 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.

Pen Reader For ISO 15693 Standard

Model: PR-IC2

1. Introduction

PR-IC2 is an easy-to-use reader operating in the 13.56MHz frequency band.
PR-IC2 complies with the internationally recognized ISO-15693 standard. This RFID reader supports Microsoft Windows 2000 / XP / Vista (32bit) operating systems, with it's simple interface make it ideal for mobile device integrations.

2. Tag Compatibilities

NXP I-Code SLI   (E004)
TI Tag-it   (E007)
INFINEON   (E005)

3. System Hardware Specification

Item	Specification
RFID Standard	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	>1 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.

FCC Notices

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.

CAUTION: Change or modification not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

CAUTION:
Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.