The manuals of HD-100 for smart card reader

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Guangdong HuaDa Integration Technology Co., Ltd.

The manuals of HD-100 smart card reader

1.0 product synopsis

HD-100 dual interface is a kind of connection type smart card reader which developed based on frequency as13.56 MHz for contactless technology and contact technology. It is the world's first s Card reader that meet ISO14443, ISO18092, ISO7816 and HID standard. This type of equipment not only support MiFare card , ISO14443 classA / B card and support ISO7816 A, B, C

If you want to use in your system in high security contactless technology, HD100 dual interface will be your ideal choice. Through its security access module, it can be achieved the diversification of secret key and authentication between card and reader-writer. This can avoid key exposure, thereby reducing the risk of key being stolen.It own the feature the stability, high efficiency, low power consumption, etc.
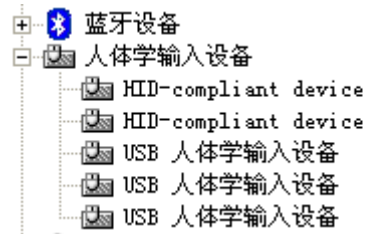
2.0 product feature

- It has two SAM slots, ensure the application security.it can detect the state of SAM when there is electricity. But when the the current is stable,the reader-writer will not detect the state of SAM.

- The reading and writing at speeds as high as 424kbps

- Suppot contact CPU card/SLE 4428/42

- Support Mifare card, ISO14443 class A card and 14443 class B card

- Support ISO - 7816 A, B, C (5V, 3V, 1.8 V) level card

- It can read and write all kind of t micro-processing card which accord with the consultative of T=0 or T=1

- Support PPS(Agreement and parameter selection)the reading and writing rate for 9600 – 115200 bps

- Double color LED

- Buzzer

3.0 Driver

This product is not to need to install the driver,access the computer can automatically find to the equipment.

4.0 How to operate the card

First,connected the reader-writer data line of our company to the computer USB.After the computer find the reader-writer,Open the computer device manage.As below,you can find the reader-writer of our company,with two HID-compliant devices,it represents two label of the dual interface reader-writer .

How to operate the card:

First the contact card, chip up,along the direction of the arrow, push the card to the slod.Then you can use the Operating procedures provided by our company operate the card.

5.0 Typical applications

- NFC lable
- Payment system
- Control network access
- Automatic fee system
- Entrance guard
- Customer integral privilege
- Check on work attendance
- On-line banking and on-line shopping
- E-Commerce
- Electronic purse balance enquiries
- software lock
- digital signature
- stored-valued
- Identity authentication
- electronic ticketing
- parking charge
- On-Line Game

6.0 Attention

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.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.