

# Desktop Reader NEO2 HF/LF

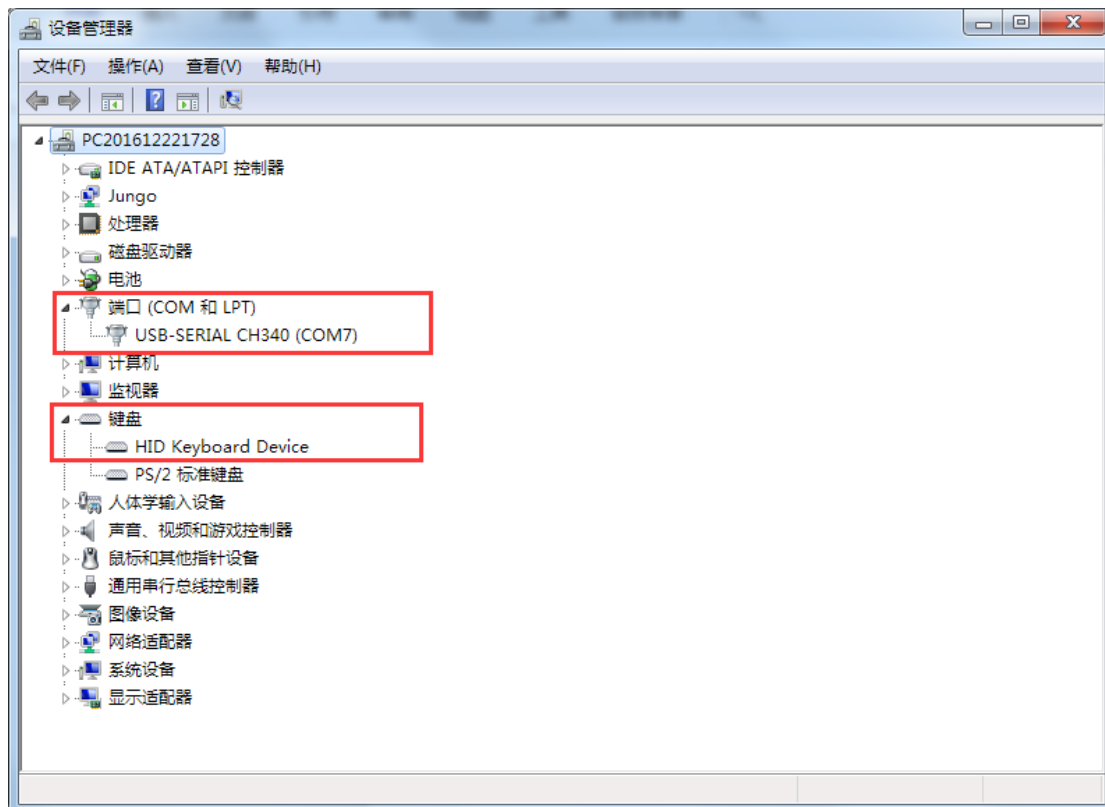
## 1. Product appearance



## 2. Hardware connection and test between NFC reader and PC

This NFC reader equipped with standard virtual USB port and HID Keyboard device interface, which can be directly connector to PC with power of 5V

And the according port information will be displayed on PC's Device manager as below:



3. Setup for switch of 125KHz and 13.56MHz with software  
Software tool name as HID Setting V6.1

3.1 To set reader working in 125KHz with following working mode

The screenshot shows the 'HID Setting V6.1' application window. The 'Function Setting' tab is active, and the 'Firmware Update' sub-tab is selected. Under 'Connectivity', the 'Connection' checkbox is checked, 'ComPort' is set to 'COM7', 'Baudrate' is '115200', and 'Address' is '0'. The 'Connect' button is visible. The 'Settings Dual HID Mode' section contains a 'Set Reader to HID Mode' toggle switch that is turned on. Below it, the 'Working Mode' dropdown menu is set to '10: LF Read UID LSB of read - only tag type'. Other settings include 'Memory Position' (00), 'Data Position' (0), 'Data Length' (16), 'Memory Key' (Key A checked, Key B unchecked, Key: FF FF FF FF FF FF), 'Output Format' (Number checked, ASCII unchecked), and 'HID Format' (Lowercase checked, Uppercase unchecked). The 'LF + HF Enable' section shows 'HF Data Format' (00 = 00: HF 14443A LSB), 'LF Data Format' (10: LF Read UID LSB of read-only tag type), and 'LF Page Address' (00). The 'SET READER' button is highlighted with a red box. Below this, there are 'Prefix' and 'Postfix' settings (Prefix1, Prefix2, Prefix3, Postfix1, Postfix2, Postfix3, all set to 'No Prefix' or 'No Postfix'). The 'Protocol Screen' section is empty, with a 'CLEAR' button at the bottom right.

### 3.2 To set reader working in 13.56MHz with following working mode

**HID Setting V6.1**

**Function Setting** | **Firmware Update**

**Connectivity**

Connection: ☒ COM

ComPort: COM7 Baudrate: 115200 Address: 0 **Connect**

**Settings Dual HID Mode**

Set Reader to HID Mode ☒

**Working Mode** 00: HF 14443A LSB

Memory Position 00 Data Position 0 Data Length 16

Memory Key(if applicable) ☒ Key A ☐ Key B Key FF FF FF FF FF FF

Output Format ☒ Number ☐ ASCII

HID Format ☒ Lowercase ☐ Uppercase

**LF + HF Enable**

HF Data Format 00 = 00: HF 14443A LSB

LF Data Format 10: LF Read UID LSB of read-only tag type

LF Page Address 00 **SET READER**

**Prefix** Prefix1 No Prefix Prefix2 No Prefix Prefix3 No Prefix

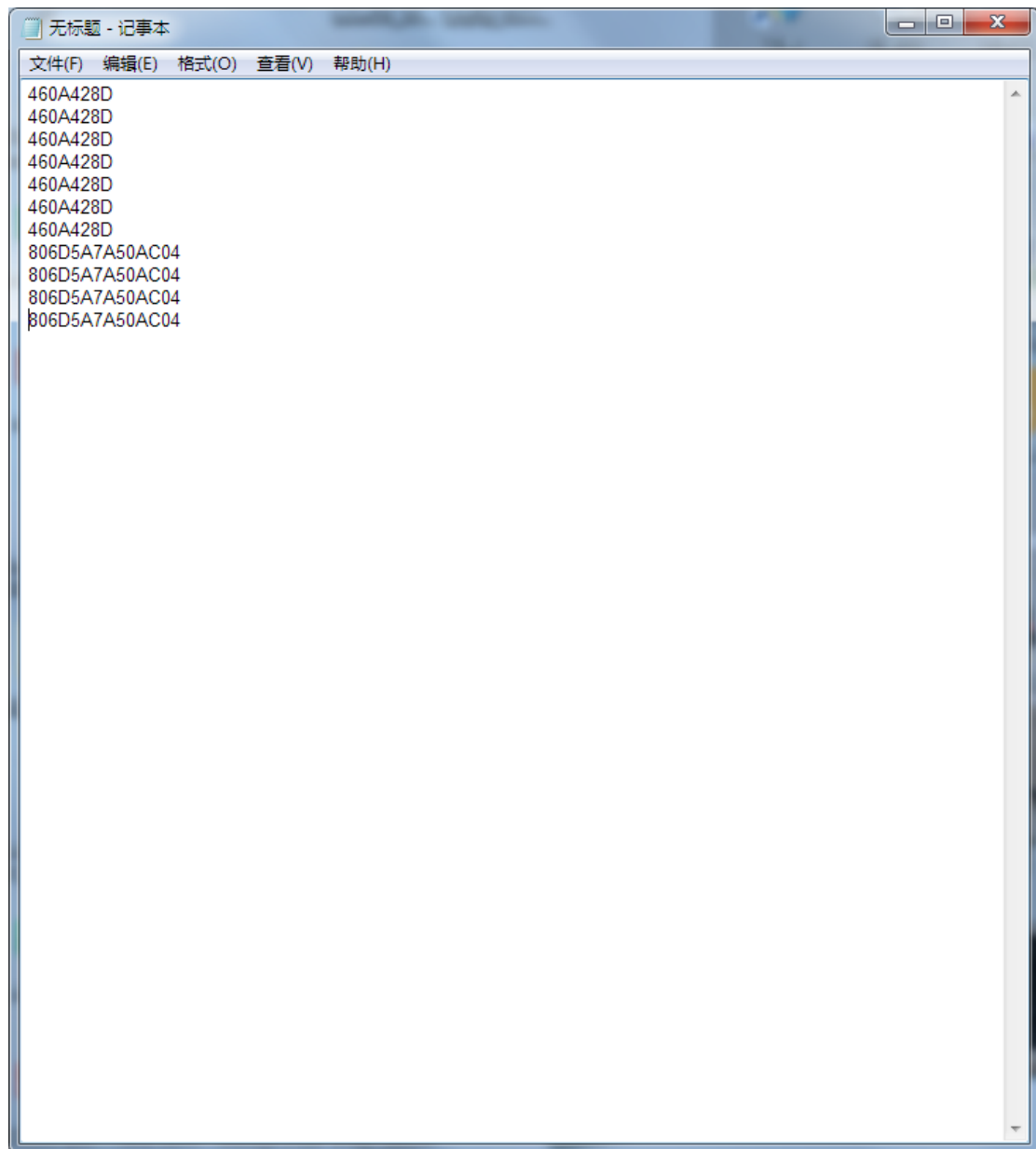
**Postfix** Postfix1 No Postfix Postfix2 No Postfix Postfix3 No Postfix **SET**

**Protocol Screen**

**CLEAR**

#### 4. Test result of the data output

When after set for different working mode, the data will be read out and output with TEXT or excel, etc directly, as below



## FCC WARNING

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.

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

NOTE: 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.