



ID INFO 4000, 9000

Manual

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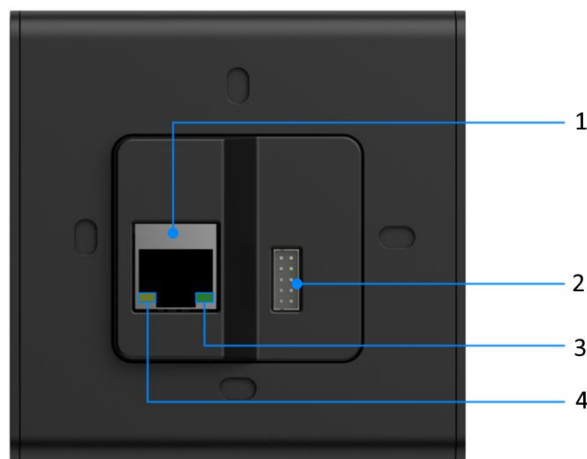
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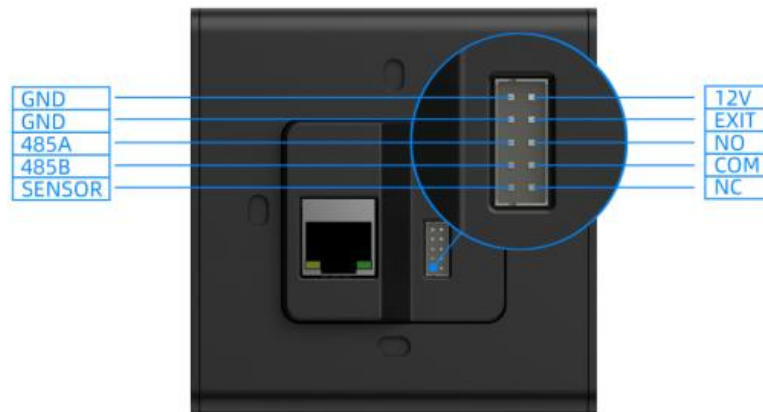
1 Introduction



1.1 Interface Definition



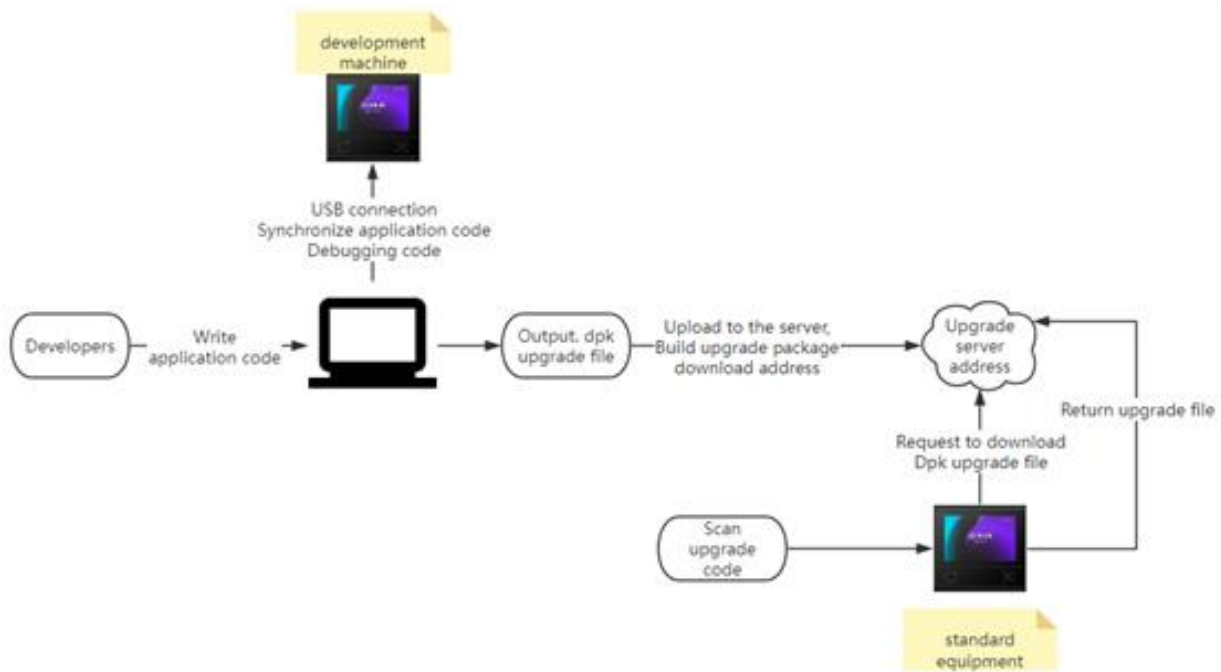
1. Is a standard 100M network port
2. Connect to the socket to connect power supply, electromagnetic logic, exit switch and other access control components to form an access control system.
3. Is a green LED light. If it is always on, it means the network connection is working. If it is flashing, it means data is being sent or received on the network port.
4. Is a yellow LED light. If it is always on, it means the network connection is working. If it is flashing, it means data is being sent or received on the network port.



Pin Name	Definition
12V	Positive pole of power supply
EXIT	Exit button
NO	Relay NO
COM	Relay COM
NC	Relay NC
GND	Ground
485A	RS-485 A
485B	RS-485 B
SENSOR	Door magnetic signal

2 Functional Description

The device has a custom operating system. Developers can use JavaScript to develop software for using the touch screen, UI display, QR-Code scanning, RFID card reading, voice broadcast, networking, access control and other related functions.



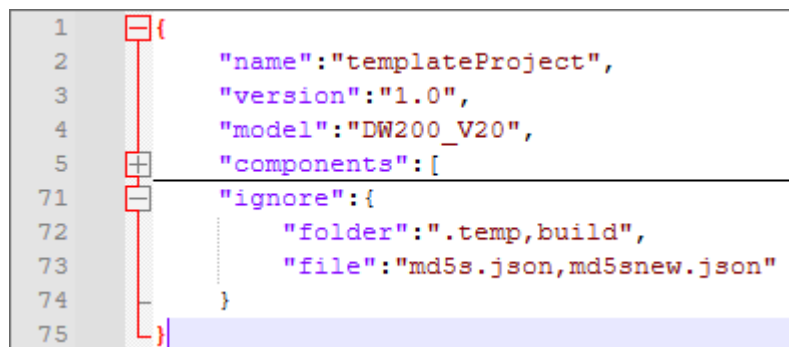
3 Software Development

In the folder “exampleProjectNFC” is an example software to demonstrate the NFC feature of the device. It can be used as a guide and for testing.

Use the files provided in the folder “templateProject4000” to start a new project for the ID Info 4000 or for a new project for the ID Info 9000 use the files in the folder “templateProject9000”.

In the file “app.dproj” you can change the project name and version number. Both will be used for the name of the finished built at the end.

Important: Do not change anything else in this file. Else, the software cannot be built correctly and may result in undefined behaviour.



```

1  {
2      "name": "templateProject",
3      "version": "1.0",
4      "model": "DW200_V20",
5      "components": [
71     "ignore": {
72         "folder": ".temp,build",
73         "file": "md5s.json,md5snew.json"
74     }
75 }

```

The folder “dxmodules” contains all available modules to use different features of the device, e.g. “dxNfc.js” to use the NFC feature in your software.

The source files for the software all go into the “src” folder. The “main.js” file is the entry point of the software and is needed. Without it, no program will start on the device.

For guidance, have a look at the files in the folder “demos-examples”. There you can find examples on how to use the different modules and a couple of complete projects for demonstration.

The folder “build” contains the files needed to package the project into a .dpk file which can then be uploaded to the device.

3.1 Build Project

Before the first build, install NodeJS.

To build the project, go into the build directory and execute the following command:

```
node main.js
```

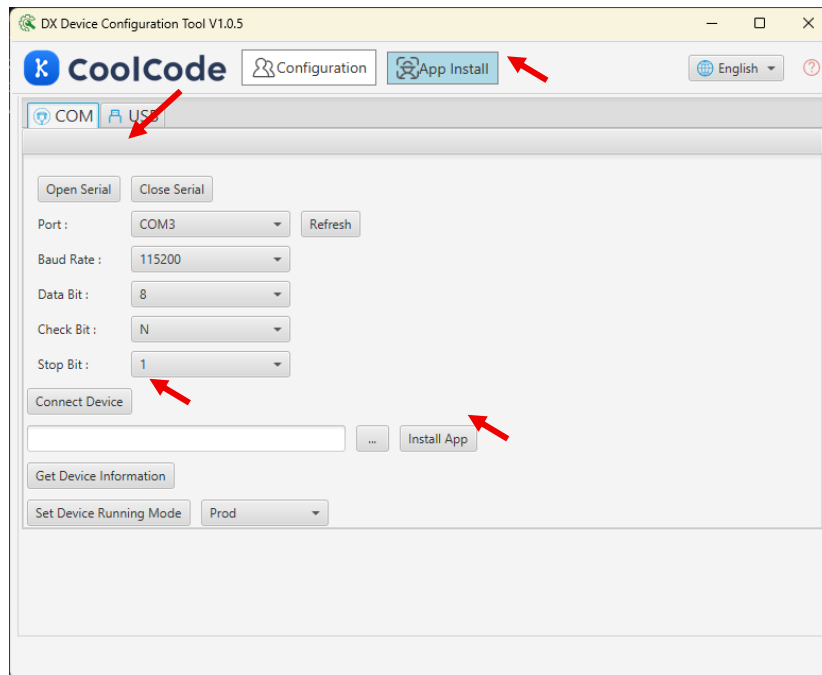
This will package the project into a .dpk file which you can find in a newly created “.temp” folder in the project’s root directory.

3.2 Synchronize Code to the Device

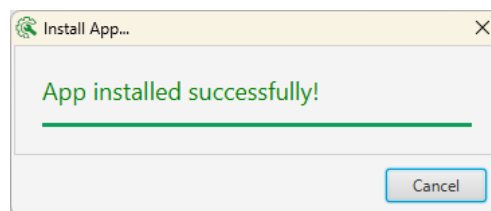
First connect the device with the computer:

1. Connect the device’s USB cable and plug it into the computer.
2. The device will start and enter a Welcome Screen.

To upload the file to the device, execute the config_tool.exe software and go to App Install. There you can open the serial connection, connect to the device and install the app. Alternatively you can use the USB connection and install the app this way.



Once the app was successfully installed, the following window will appear:



If the device running mode is set to “Dev”, the installed app won’t start automatically. Instead change the mode to either “Test” or “Prod”.

4 Product Size

