

SHENZHEN CHAINWAY INFORMATION TECHNOLOGY CO., LTD

SR160 UHF Scanner



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Statement

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Chainway SR160 is a powerful UHF Scanner that supports both UHF RFID and 2D scanning. Adopting self-developed UHF RFID modules based on the latest Impinj E310 chip and offering excellent single-tag read/write performance, SR160 can read various electronic tags on the market fast and accurately with a maximum reading range of more than 30cm. The scanner also supports high-performance barcode scanning which can scan barcodes in all conditions, no matter whether they are scratched, dirty, damaged, poorly printed or displayed on the screen. SR160 can be widely used in retail chains, inventory management, warehouse logistics, manufacturing, and other application scenarios.

1. Appearance



2. Device Connection

(1) SR160 can be connected with PC through its cable.

(2) PC and software management, where UHFAPP.exe is an executable file, as shown in Pic 1.

名称	修改日期	大小	类型	总大小	可用空间
ipConfig.txt	2018/12/20 14:41	1 KB	文本文档		
UHFAPL.dll	2018/11/8 15:15	204 KB	应用程序扩展		
UHFAPP.exe	2018/11/14 17:59	197 KB	应用程序		
WindowsFormsControlLibrary1.dll	2018/7/20 10:11	9 KB	应用程序扩展		

Pic.1

3. Operation

SR160 is a scanning gun device with RFID function. Its working principle is to directly output the scanned data to the cursor position. As long as the application is opened and the cursor position is located, the identified data can be output through the RFID scanning gun.

4. Functions

The SR160 scanning gun has three working modes:

1. RFID mode only enables RFID function, and the RFID reading data shall prevail. Switch the function to RFID mode through the yellow switch button on the back of the device. RFID mode light is on and the BARCODE mode light is off. The reading is successful, and the corresponding RFID top indicator is on.



2. Barcode mode
Only the barcode function is enabled, subject to the barcode reading data. Switch function to BARCODE mode through the yellow switch button on the back of the device, and the BARCODE mode light will be on and the RFID mode light will be off. The reading is successful, and the corresponding BARCODE top indicator is on.



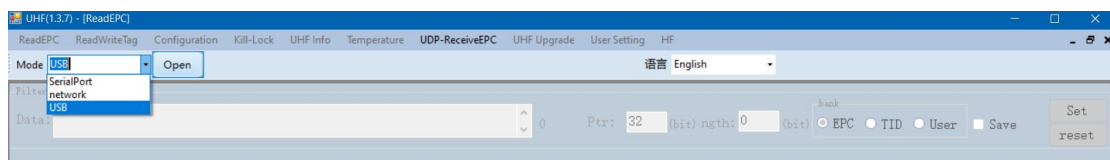
3. Barcode RFID hybrid mode

Scan UHF tag and barcode at same time, take the data obtained first as the final data.

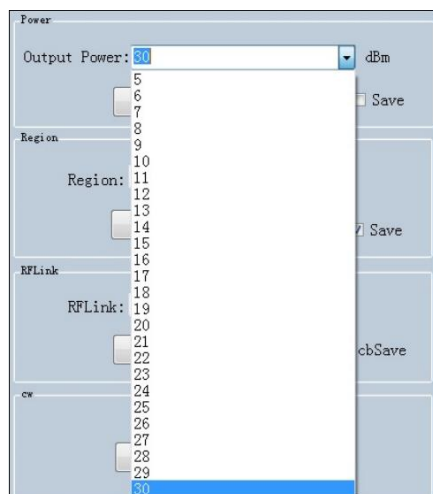
Switch the function to dual mode through the yellow switch button on the back of the device. BARCODE mode light On, RFID mode light.

5. Parameter Setup

Connect the SR160 scanner with computer through its cable, open the windows connection program UHFAPP, select USB as the communication mode, and click the "Open" button to connect.



Select 5-25 dBm power setting, and click the Set button to confirm the setting. Get button to obtain the power set by the current module. If you select Save, it will be saved into the module and will take effect automatically next time.



Set the region



Set the buzzer, turn on the buzzer, and the device will emit a prompt tone when reading tags. Turn off the buzzer, and the device will not emit a prompt tone when reading the tag.



User Settings:

The special customization function is configured in user setting. The customization function is not described here.

6. Others

Click the "UHF information" button in the main menu to read the device hardware version and firmware version number, and click the "Temperature" button in the main menu to read the module temperature.