

Technical:

Programming language: Java

Development environment: Netbeans + JDK1.8

Use technology: SerialPort + HttpClient + SocketClient + TTS

Database: Sqlite

Running environment: WINDOW7/UBUNTU 12.04

We need lock control device module, card reading device module, bar code and QR code reader, video module, 32K horizontal needle bill printer (printing courier sheet), short message module, etc., the main cabinet door configuration is: electronic control on/off; item detection sensor, Windows 7 system with 21 inch touch LCD screen, WiFi wireless Internet module.

About the hardware selection and explanation:

CPU: Intel, Core i3, 4130

Memory: Kingston 4GB_DDR3_1600_

Hard Disk: Seagate Barracuda 2TB 7200 RPM 64MB SATA3

Wifi module: Waveshare_MX1081_stm32_wifi module_

POS Card Brushing Machine: Yibao POS Machine

Banknote Checking and Change Finding Module: Rongkang 866 Small Banknote Checking Machine

Voice prompt module: Blue Horse LMD107_

Digital keyboard module: kangaroo DS-9018A/9018_

Touch screen control module: DC80480B070_02TW_10.2 inch with touch_1280*720TFT_1G memory with configuration/USB/SD/5-26V power supply, etc.

Short Message Module: ATK-SIM900_GSM/GPRS Module Short Message Telephone Development Board_

Bill Printing Module: Jiabo GP5860III Thermal Small Bill Printer

Video equipment: Longshian 8-way all-D1 hard disk video recorder

Bar Code and Two-Dimensional Code Reader: Symbol DS-6708 Two-Dimensional Bar Code Scanner

Card Reader Module: 125KHz RFID Module Radio Frequency Electronic Card Reader

Lock control equipment: intelligent electric latch