

**What is the agreement for UHF tags?**

Answer:

The commonly used card protocol is ISO18000-6C, and there are also ISO18000-6B protocol labels, which are used less. Currently we only support the 18000-6C protocol label.

**What is the gain of the UHF antenna?**

Answer:

KT50 (large antenna)

KT80

Frequency: 850-960MHz, 1710-2170MHz

Standing wave ratio:  $\leq 2.0$

Impedance:  $50\Omega$

Antenna gain:  $\geq 2.5\text{dBi}$  Frequency: 750-960MHz, 1700-2200MHz

Standing wave ratio:  $\leq 2.0$

Impedance:  $50\Omega$

Antenna gain:  $\geq 3\text{dB}$

**What does the existing SDK support?**

Answer:

The SDK is supported by the R2000 old board before the SDK 7.0, and the R2000 new board is supported after the SDK 7.0.

SDK: Libuhf library loaded in the sample program

R2000 new and old boards: new and old R2000 modules

**Open UHFdemo prompt "module does not exist".**

Answer:

1. R2000 module old firmware device, need to upgrade firmware, use firmware upgrade APP upgrade
2. The module and motherboard are poorly linked, or the module is damaged.

**What is the UHF read/write rate?**

Answer:

The R2000 reads at 640kbps (including encoding and control information outside the active content), and the maximum write rate is 160kbps.

Kb: thousand bits ps: per second, ie /s

Kbps: kilobits per second, bit rate, bit rate, number of data bits transmitted per unit time during data transmission. Refers to the transmission rate of the digital signal, and also identifies the transmission speed of the network.  $1\text{Kbyte/s}=8\text{Kbps}$ .

### **"Connection failed" when upgrading UR2K firmware.**

Answer:

New firmware update program.

### **UHF tag storage area size.**

Answer:

General card storage:

EPC area 96bits (12 bytes, 6 Words)

USER area 512bits (64 bytes, 32 Words)

TID area 64bits (8 bytes, 4 Words)

Reserved area 32bits (4 bytes, 2 Words)

1 Chinese character = 2 bytes (byte)

1 English letter = 1 byte (byte)

1 word=2 bytes (byte)

1 byte (byte) = 8 word bits (bits) = 8 binary numbers

### **How to upgrade the firmware?**

Answer:

1) Back clip machine installed back clip

2)Exit the UHF program

3)Open the firmware upgrade APPà firmware upgrade à RM8001 (single antenna) à platform (see the detailed description below for details) à connect à firmware upgrade

Platform: Select according to different models (if there is any difference, please contact technical staff)

Serial port: no need to choose, it will automatically match

KT50: Select RM\_KT45QKT55: Select RM\_

KT55\_G57

KT80: Select RM\_KT80

Current latest firmware update APP: UHFUpdate\_V1.0.apk

### **What is the storage content in the Reserved area?**

Answer:

The starting address of the Reserved area is 0, and the length 1Word is the destroy password;Start address 1, length 1 Word is to use (or access) password