KT6368A transparent transmission test

1. Hardware connection

KT6368A connect to the USB serial tool (such as CH340), and plug to the PC.

| KT6368A | USB TO TTL (3.3v | | | | | |
|---------|------------------|--|--|--|--|--|
| module | Level) | | | | | |
| VCC | 3.3V | | | | | |
| GND | GND | | | | | |
| TXD | RXD | | | | | |
| RXD | TXD | | | | | |

2. Open the PC Serial tool, such as AiThinker Serial Tool

V1.2.3.exe

- 2.1. Set the baud rate: 115200 8 1
- 2.2. Open the serial port
- 2.3. Check to send a new line
- 2.4. Send an AT+CW command

2.5. Check the information returned by the module. If there is any returned information, it indicates that the module communicates with the computer normally.



3. Install the Bluetooth serial assistant on the mobile phone

Android phones can be installed: Bluetooth serial assistant.apk to test the SPP Android phones can be installed: LightBlue_1.1.2.apk to test the BLE For iPhone, download lightBlue in the appstore.

4. Transparent transmission test

Once the mobile phone contacts KT6368A, what the mobile phone sends will be displayed by the computer serial port software.

Apple mobile phone test example:

4.1 Turn on the Bluetooth function of the mobile phone, open the LightBlue software, click KT6368A-BLE-1.X, and connect the Bluetooth module. After connecting, the STA indicator on the module side is on.



4.2 Send and receive data test

Set the mobile phone data display format UTF-8, send the data 'test', the computer serial software will receives the 'test', the computer sends the 'pc sent', and the mobile phone will receives data 'pc sent'.

| ⅠⅡ 中国移动 奈 13:37 | 7 | ● 41% | | | | |
|-------------------------------------|------------|--------------|--|--|--|--|
| KT6368A-BLE-1.8 Ox | FF1 (| UTF-8 | | | | |
| KT6368A-BLE-1.8 | 1 Se | t format | | | | |
| OxFFF1 | | | | | | |
| UUID: FFF1 | | | | | | |
| Connected | | | | | | |
| | | | | | | |
| NOTIFIED VALUES | | | | | | |
| | St | op listening | | | | |
| i Cloud Connect | | | | | | |
| pc sent 13:37:01.838 Received | | | | | | |
| WRITTEN VALUES | | | | | | |
| Write new value | | | | | | |
| "test" 2 13:36:39.756 sent | | i | | | | |
| DESCRIPTORS | | | | | | |
| Client Characteristic Configuration | on | | | | | |
| | | | | | | |
| (init) | \bigcirc | 503 | | | | |
| Peripherals Virtual Devices Log | Learn | Settings | | | | |

| 🚺 安信可串口调试助手 | EV1.2.3.0 www.ai-thinke | .com | | | | _ | | × |
|---|-------------------------|------------------|---------------|----|-------------------|----------------------|---------|--------------|
| 接收 | | 「历史记录」 | | | 多文本 | | | |
| 命T+VER1.8-202102 TM+KT6368A -BLE-1.8 TN+DED61CAD9BDD | 227 | AT+CW pc sent | | | HEX AT+CA30 AT+CB | 字符串 | | 发送 1 2 |
| TD+KT6368A-SPP-1. | .8 | | | | AT+CC | | | 3 |
| T4 +01 | | | | | AT+CD | | | 4 |
| T5+01 QL+00 | | | | | AT+CE | | | 5 |
| test | | | | | AT+CF | | | 6 |
| test | | | | | AT+CT03 | | | 7 |
| | | | | | AT+CM00 | | | 8 |
| | | | | | AT+CU02 | | | 9 |
| | | | | | | | | 10 |
| | | | | | | | | 11 |
| | | | | | AT+CW | | | 12 |
| | | | | | AT+CP02 | | | 13 |
| | | | | | AT+CR00 | | | 14 |
| | | | | | AT+CJ00 | | | 15 |
| | | | | ~ | IAT+BE343 | 4 洋 500 | | 16 ms |
| | ~ | < | > | | 保存 | 载入 | | 罟 |
| | | 중성 | | 2 | = <= +# -+ | 陶建云 | :±5 | |
| □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ | 关闭串口 消 | 工技収 | | | | | | |
| 数据位 8 🗸 | 1 | 1子接収 | ⊻ 自动换行 | | 下现代吴工 | R思制版I力 | £ | |
| 校验位 None 🗸 | □ 完时发送 800 | ms///₹ 🔽 | 发送新行 🗌 地X发送 🗆 | 格≂ | ť錀λ | | | |
| 停止位 One 🗸 🗸 | | | | | -41HU/ \ | | | |
| 流控 None ~ | 友法 pc sent | | | | | | | |
| Send OK ! | Received: 156 | | Sent: 16 | | | 2021-04- | -06 13: | 37:26 .: |

Test complete.