1. 握手数据

10.20.2.221:xxxx 5A 03 00 00 00 01 01 01 03 00 00 00 01 01 00 00 01 00 5A A5

10.50.2.7:41185 5A 00 00 00 00 00 00 01 03 00 00 00 01 01 00 01 00 00 59 A5

10.20.2.221:xxxx 5A 03 00 00 00 01 01 01 03 00 00 00 01 01 00 00 01 00 5A A5

10.50.2.8:41186 5A 00 00 00 00 00 00 01 03 00 00 00 01 01 00 00 01 00 59 A5

1. 开始测试

5A 04 00 00 00 01 01 01 04 00 00 00 C0 04 00 00 05 05 FF FF FF FF 9F A5

1. 单项测试

(1).设备ID

(2).错误码：测试次数、误码错误次数、丢包次数、通信中断次数  
(3).类型

**a.串口测试：**先10.50.2.8:41186再10.50.2.7:41185:

**测试通过：**

5A 00 00 00 00 00 00 01 07 00 00 00 B2 00 00 00 54 05 01 02 01 01 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 02 01 02 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 02 01 03 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 02 01 04 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 BA A5

5A 00 00 00 00 00 00 01 07 00 00 00 B2 00 00 54 00 05 01 01 01 01 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 01 01 02 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 01 01 03 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 01 01 04 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 BA A5

**最后两包数据：**

5A 00 00 00 00 00 00 01 07 00 00 00 B2 00 00 00 54 05 01 02 01 01 20 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 02 01 02 20 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 02 01 03 20 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 02 01 04 20 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 BE A5

5A 00 00 00 00 00 00 01 07 00 00 00 B2 00 00 54 00 05 01 01 01 01 1B 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 01 01 02 1B 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 01 01 03 1B 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 01 01 04 1B 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 BE A5

**测试失败：**

5A 00 00 00 00 00 00 01 01 00 00 00 B2 00 00 54 00 05 01 01 01 01 1D 00 00 00 00 00 00 00 00 00 00 00 05 00 00 00 05 01 01 01 02 1D 00 00 00 00 00 00 00 00 00 00 00 05 00 00 00 05 01 01 01 03 1D 00 00 00 00 00 00 00 00 00 00 00 05 00 00 00 05 01 01 01 04 1D 00 00 00 00 00 00 00 00 00 00 00 05 00 00 00 B8 A5

5A 00 00 00 00 00 00 01 01 00 00 00 B2 00 00 54 00 05 01 01 01 01 1E 00 00 00 00 00 00 00 00 00 00 00 06 00 00 00 05 01 01 01 02 1E 00 00 00 00 00 00 00 00 00 00 00 06 00 00 00 05 01 01 01 03 1E 00 00 00 00 00 00 00 00 00 00 00 06 00 00 00 05 01 01 01 04 1E 00 00 00 00 00 00 00 00 00 00 00 06 00 00 00 B8 A5

5A 00 00 00 00 00 00 01 02 00 00 00 B2 00 00 54 00 05 01 01 01 01 46 00 00 00 00 00 00 00 00 00 00 00 34 00 00 00 05 01 01 01 02 46 00 00 00 00 00 00 00 00 00 00 00 34 00 00 00 05 01 01 01 03 46 00 00 00 00 00 00 00 00 00 00 00 34 00 00 00 05 01 01 01 04 46 00 00 00 00 00 00 00 00 00 00 00 34 00 00 00 BB A5

5A 00 00 00 00 00 00 01 02 00 00 00 B2 00 00 54 00 05 01 01 01 01 93 00 00 00 00 00 00 00 00 00 00 00 81 00 00 00 05 01 01 01 02 93 00 00 00 00 00 00 00 00 00 00 00 81 00 00 00 05 01 01 01 03 93 00 00 00 00 00 00 00 00 00 00 00 81 00 00 00 05 01 01 01 04 92 00 00 00 00 00 00 00 00 00 00 00 80 00 00 00 BB A5

**b.网口测试**

**开始测试：**

5A 09 00 00 00 01 01 01 09 00 00 00 C0 01 00 00 05 05 01 01 02 FF 67 A5

5A 09 00 00 00 01 01 01 09 00 00 00 C0 01 00 00 05 05 01 02 02 FF 64 A5

接收数据：先7后8

**测试通过：**

5A 00 00 00 00 00 00 01 09 00 00 00 B2 00 00 2A 00 05 01 01 02 01 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 01 02 02 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 C9 A5

5A 00 00 00 00 00 00 01 09 00 00 00 B2 00 00 00 2A 05 01 02 02 01 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 02 02 02 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 C9 A5

5A 00 00 00 00 00 00 01 09 00 00 00 B2 00 00 2A 00 05 01 01 02 01 0F 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 01 02 02 0F 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 C9 A5

5A 00 00 00 00 00 00 01 09 00 00 00 B2 00 00 00 2A 05 01 02 02 01 0D 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 02 02 02 0D 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 C9 A5

**测试失败：**

**C.内存单元**

**开始测试：**

**5A 01 00 00 00 01 01 01 01 00 00 00 C0 01 00 00 05 05 01 01 25 FF 40 A5**

**5A 01 00 00 00 01 01 01 01 00 00 00 C0 01 00 00 05 05 01 02 25 FF 43 A5**

5A 00 00 00 00 00 00 01 01 00 00 00 B2 00 00 15 00 05 01 01 25 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 F4 A5

5A 00 00 00 00 00 00 01 01 00 00 00 B2 00 00 00 15 05 01 02 25 01 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 F5 A5

(4).停止测试

5A 08 00 00 00 01 01 01 08 00 00 00 C1 01 00 00 05 05 01 01 FF FF 9B A5

5A 08 00 00 00 01 01 01 08 00 00 00 C1 01 00 00 05 05 01 02 FF FF 98 A5

问题汇总：

1.数据格式不正确，CPUPD1和VCOM数据长度字段不一致

2.状态码字段不正确（不管正确还是失败都是显示00，应该是正确0X01错误0X02）

1. 综合测试

跑马灯：

5A 01 00 00 00 00 00 01 00 00 00 00 B3 00 02 86 00 02 04 02 03 01 00 A8 5A 14 B9 EB 50 DD BB BC 6F B6 07 40 CD E8 05 17 F2 83 B9 3E 9C C7 04 69 A3 AC B8 95 01 F2 BA AE DD 75 94 F9 E2 1E 28 05 40 40 2A 52 7F 2B 96 7B 11 6F 2B 2C 2E 04 97 D0 8C 5A 95 87 B3 31 29 3A 01 00 00 18 01 00 00 18 01 00 00 18 01 00 00 18 01 00 00 18 01 00 00 18 01 00 00 18 01 00 00 18 01 00 00 18 01 00 00 18 01 00 00 18 01 00 00 18 01 00 00 18 01 00 00 18 01 00 00 18 01 00 00 69 A5

5A 00 08 00 00 00 00 01 00 00 00 00 B3 00 02 86 00 02 04 02 08 00 08 3A 1D DB D7 0A DA 90 D2 45 74 B8 4C 2E 8D A4 1D 61 23 8C 83 98 F1 0A B5 D7 5F 22 2B BC A6 3E 7A 54 00 58 B4 1B AE 70 2A 70 57 6C 7B 3F F9 44 E5 C6 2B C2 D3 89 85 EA 4D E2 7C F6 1C AD D2 DE 82 58 02 00 00 58 02 00 00 58 02 00 00 58 02 00 00 58 02 00 00 58 02 00 00 58 02 00 00 58 02 00 00 58 02 00 00 58 02 00 00 58 02 00 00 43 02 00 00 30 02 00 00 30 02 00 00 30 02 00 00 30 02 00 00 49 A5

5A 00 08 00 00 00 00 01 00 00 00 00 B3 00 02 86 00 01 07 01 00 03 00 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF A5 02 00 00 A5 02 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 63 A5

5A 00 08 00 00 00 00 01 00 00 00 00 B3 00 02 86 00 02 08 01 00 00 08 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF 49 00 00 00 48 00 00 00 48 00 00 00 48 00 00 00 48 00 00 00 48 00 00 00 48 00 00 00 48 00 00 00 48 00 00 00 48 00 00 00 48 00 00 00 46 00 00 00 44 00 00 00 44 00 00 00 44 00 00 00 44 00 00 00 60 A5