## Jointcom开关矩阵操作指令（未封装）

历史版本：

V1

* **通信媒介：**

1. LAN(TCP),IP地址与模块绑定，端口号：4001

* **交互方式：**主机发送，从机应答，即完成一次操作
* **指令格式（帧组成字码）：**

以下约定以8位为字节(Octex)

写指令：[‘W‘] [V1] [V2] [V3] [V4] [V5] [V6] [V7] [V8] [V9] [V10] [CHECK]

返回值：[‘W‘] [V1] [V2] [V3] [V4] [V5] [V6] [V7] [V8] [V9] [V10] [CHECK]

当Vn不等于Vn(1<=n<=10),即开关写错误。

读指令：[‘R‘] [V1] [V2] [V3] [V4] [V5] [V6] [V7] [V8] [V9] [V10] [CHECK]

返回值：[‘R‘] [V1] [V2] [V3] [V4] [V5] [V6] [V7] [V8] [V9] [V10] [CHECK]

当Vn不等于Vn(1<=n<=10),即开关读错误。

示例代码(C99)：

unsigned char buf[12];

unsigned char CHECK = 0;

unsigned char I;

buf[0] = ‘W’;

for(i=0;i<11;i++)

CHECK ^=buf[i];

注：[]中代表一个字节。[‘W’] = [0x57]

* **开关操作：**

初始化：开关箱上电，发送读指令读入[V1~V10]。

**模块开关箱的操作(**以下操作可以同时操作):

射频开关TX1: [V3]=[0x10]; TX2: [V3] = [0x08];

接收开关PIM1: [V1]&=~[0x30], [V1]|=[0x20] ; PIM2:[V1]&=~[0x30],[V1]|=[0x10];

耦合开关DET1: :[V1]&=~[0x80],[V5]=[0x10]; DET2:[V1]|=[0x80],[V5] = [0x00];

**[TX1,RX1, Pwr Monitor1:]**

Send :0x57 0x20 0x00 0x10 0x00 0x10 0x00 0x00 0x00 0x00 0x00 0x20

Receive :0x57 0x20 0x00 0x10 0x00 0x10 0x00 0x00 0x00 0x00 0x00 0x20

**[TX1,RX1, Pwr Monitor2:]**

Send :0x57 0xA0 0x00 0x00 0x00 0x10 0x00 0x00 0x00 0x00 0x00 0xB0

Receive :0x57 0xA0 0x00 0x00 0x00 0x10 0x00 0x00 0x00 0x00 0x00 0xB0

**[TX1,RX2, Pwr Monitor1:]**

Send :0x57 0x10 0x00 0x10 0x00 0x10 0x00 0x00 0x00 0x00 0x00 0x10

Receive :0x57 0x10 0x00 0x10 0x00 0x10 0x00 0x00 0x00 0x00 0x00 0x10

**[TX1,RX2, Pwr Monitor2:]**

Send :0x57 0x90 0x00 0x10 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x80

Receive :0x57 0x90 0x00 0x10 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x80

**[TX2,RX1, Pwr Monitor1:]**

Send :0x57 0x20 0x00 0x08 0x00 0x10 0x00 0x00 0x00 0x00 0x00 0x38

Receive :0x57 0x20 0x00 0x08 0x00 0x10 0x00 0x00 0x00 0x00 0x00 0x38

**[TX2,RX1, Pwr Monitor2:]**

Send :0x57 0xA0 0x00 0x08 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0xA8

Receive :0x57 0xA0 0x00 0x08 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0xA8

**[TX2,RX2, Pwr Monitor1:]**

Send :0x57 0x10 0x00 0x08 0x00 0x10 0x00 0x00 0x00 0x00 0x00 0x08

Receive :0x57 0x10 0x00 0x08 0x00 0x10 0x00 0x00 0x00 0x00 0x00 0x08

**[TX2,RX2, Pwr Monitor2:]**

Send :0x57 0x90 0x00 0x08 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x98

Receive :0x57 0x90 0x00 0x08 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x98

注：[ip0]

Signalswich =192.168.1.80:4001

Paspecumpwmt =192.168.1.81:4001

PaspecumpwmtP =192.168.1.90:4001

//HUAWEI

Testmdlte700 =192.168.1.82:4001

Testmddd800 =192.168.1.83:4001

Testmdgsm900 =192.168.1.84:4001

Testmddcs1800 =192.168.1.85:4001

Testmdpcs1900 =192.168.1.86:4001

Testmdwcdma2100 =192.168.1.87:4001

Testmdlte2600 =192.168.1.88:4001

Testmdpdc1500 =192.168.1.89:4001

//HUAWE\_EXT8

Testmd800CA =192.168.1.61:4001

Testmd800CB =192.168.1.62:4001

Testmdpcs1900A =192.168.1.63:4001

Testmdpcs1900B =192.168.1.64:4001

Testmdlte2600A =192.168.1.65:4001

Testmdlte2600B =192.168.1.66:4001

Testmdlte2600C =192.168.1.67:4001

Testmdlte2600D =192.168.1.68:4001

//HUAWE\_EXT12

Testmd4501 =192.168.1.71:4001

Testmd4502 =192.168.1.72:4001

Testmd700h =192.168.1.73:4001

Testmd700apt =192.168.1.74:4001

Testmd800cdma =192.168.1.75:4001

//POI

Testmdcdmagsm =192.168.1.91:4001

Testmdfdd18 =192.168.1.92:4001

Testmdfdd21 =192.168.1.93:4001

Testmdtdftda =192.168.1.94:4001

Testmdtdd23 =192.168.1.95:4001

Testmdtdd26 =192.168.1.96:4001