

Products:

ADAM-5510 series modules

Topic:

Using different protocols (ASCII command & Modbus) on different COMPorts of the ADAM-5510 simultaneously

Description:

In ADAM-5510 series modules, users want make a program to use one COMPort to send strings and use another COMPort as Modbus Client/Server.

For example :

Please refer to the picture below.

I want to use COM4 to send commands and use COM1 as Modbus server.

```
char LSR_State;
```

```
SIO_Open(COM4);  
SIO_SetState(COM4, 38400, NO_PARITY, DATA8, STOP1);  
SIO_PurgeBuf(COM4, Clear_RXBuffer);  
SIO_PurgeBuf(COM4, Clear_TXBuffer);
```

```
//SIO_SendBytes(COM4, 1, "A");
```

```
if(Modbus_COM_Init(COM1, Slave, (unsigned long)38400, NO_PARITY, DATA8, STOP1)!=0)  
{  
    printf("error\n");  
    return;  
}  
  
printf("init success!!\n");  
  
ADAMRTU_ModServer_Create(3, (unsigned char *)Share_Mem, sizeof(Share_Mem));  
  
printf("server started..\n");
```

```
//SIO_SendBytes(COM4, 1, "A");
```

Solution:

Because of some hardware limitations, users can not use different protocols on COM1 and COM4 simultaneously in ADAM-5510.

Users could use COM4 to send Command strings and use COM2 as Modbus Client/Server simultaneously.