

## ModbusRTU

### 1.触摸屏通讯口设置



The screenshot shows the 'Serial Port Properties' dialog box with the 'General' tab selected. The 'Connection ID' is set to 1, 'Connection Name' to COM1, and 'Connection Port' to COM1. The 'Connection Service' is set to Modbus, with 'Modbus RTU Master' selected as the protocol. Under 'Communication Parameters', the Baud Rate is 9600, Data Bits is 8, Parity is NONE, and Stop Bits is 1. There is a 'Restore Default Settings' button and an unchecked checkbox for 'Enable High-Speed Communication'. At the bottom are 'OK', 'Cancel', and 'Help' buttons.

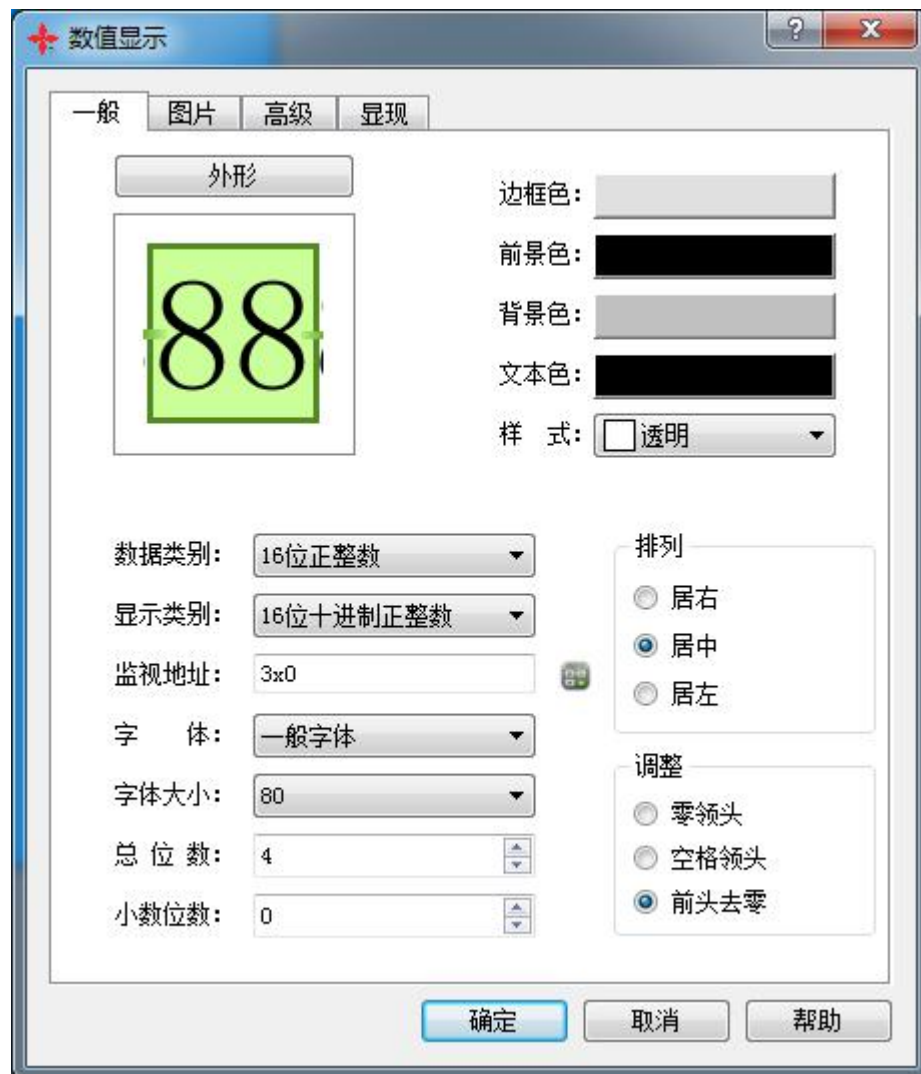
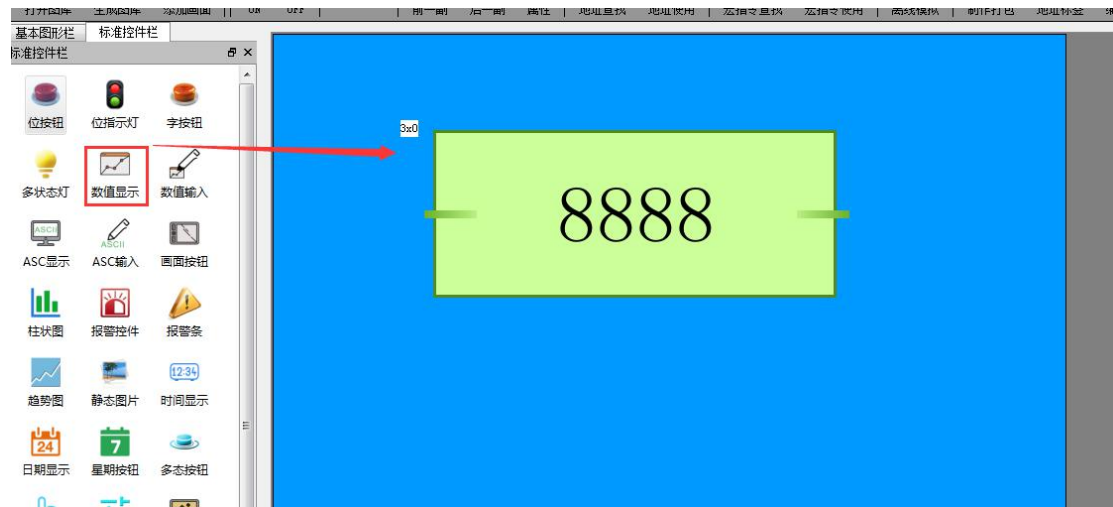
连接编号:	1	
连接名称:	COM1	
连接接口:	COM1	
连接服务:	Modbus	Modbus RTU Master
通讯参数		
波特率:	9600	
数据位:	8	
检验:	NONE	
停止位:	1	
<input type="button" value="恢复默认设置"/>		<input type="checkbox"/> 启用高速通讯



The screenshot shows the 'Serial Port Properties' dialog box with the 'Other' tab selected. The 'Touchscreen Station ID' is 0, 'PLC Station ID' is 1, 'Communication Time' is 20 ms, 'Timeout' is 1000 ms, 'Retries' is 3, 'Address Mode' is 'Standard Mode', and 'PLC Continuous Address Interval' is 16. At the bottom are 'OK', 'Cancel', and 'Help' buttons.

其他	
触摸屏站号:	0
PLC站号:	1
通信时间:	20 (ms)
超时时间:	1000 (ms)
重试次数:	3
地址模式:	标准模式
PLC连续地址间隔:	16

## 2.控件设置

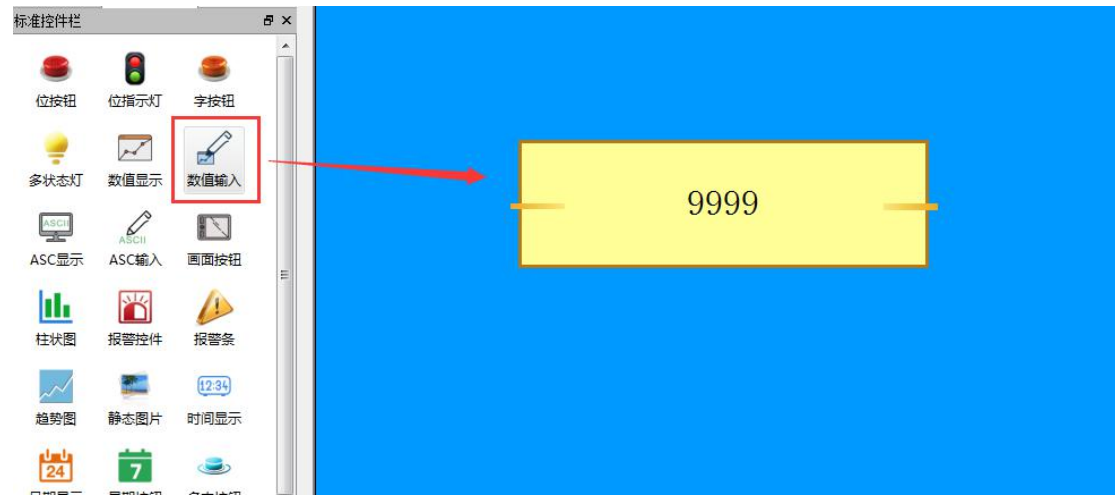


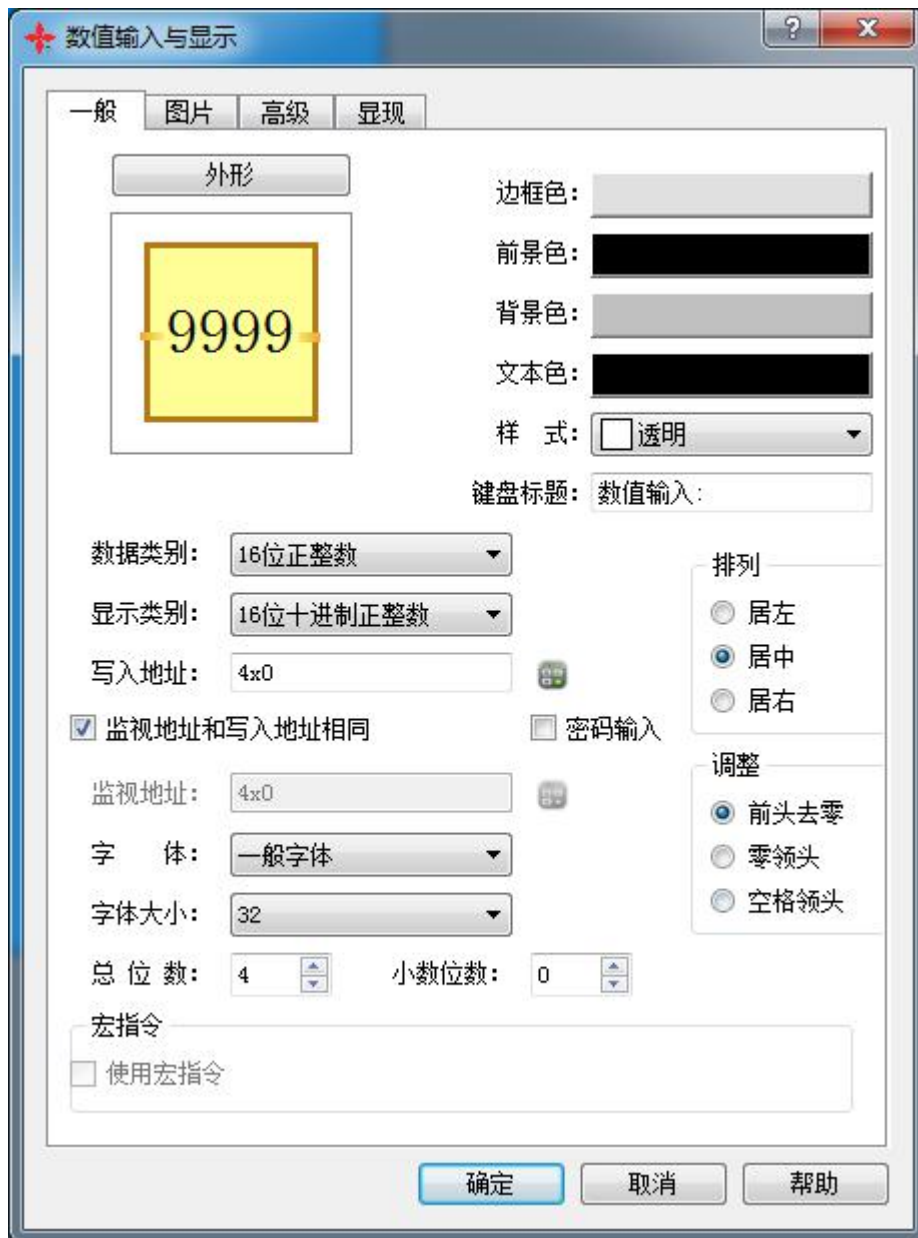
### 3.触摸屏发的数据

01 04 00 00 00 01 31 CA //触摸屏发送 读输入寄存器 0x00 里的数据

01 04 02 00 08 B8 F6 //触摸屏接收到的数据为 08

### 4.数值输入控件设置





触摸屏发的数据

01 03 00 00 00 01 84 0A //触摸屏发送 读保持寄存器 0x00

触摸屏收到的数据

01 03 02 00 08 B9 82 //触摸屏接收 数值为 0x08

键盘输入 9

触摸屏写寄存器 0x00 数据为 0x09

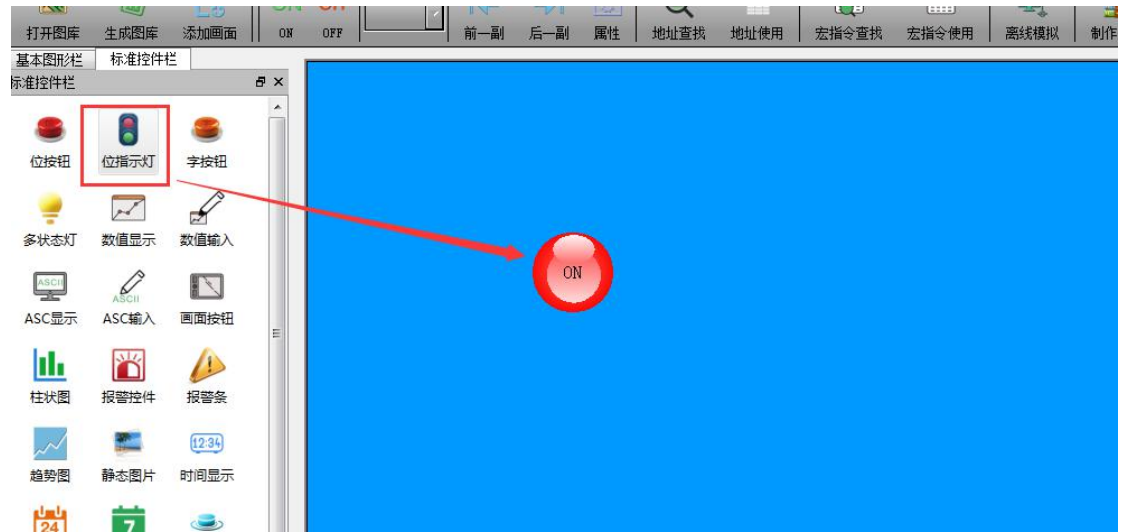
触摸屏发送

01 06 00 00 00 09 49 CC //触摸屏发送的数据

触摸屏接收

01 06 00 00 00 09 49 CC //触摸屏接收的数据

## 5.线圈的读



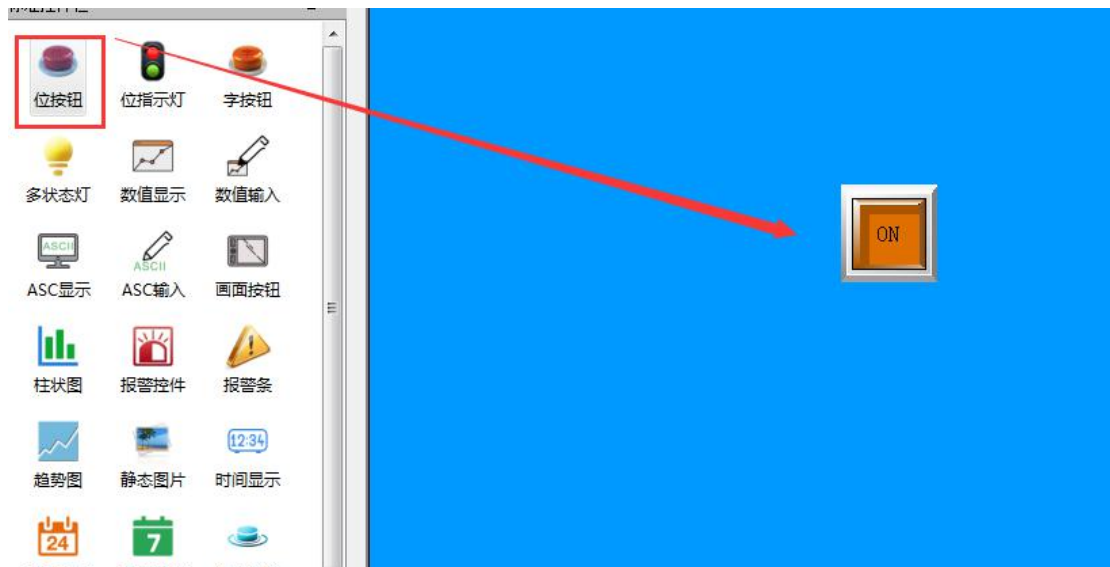
触摸屏发送的数据

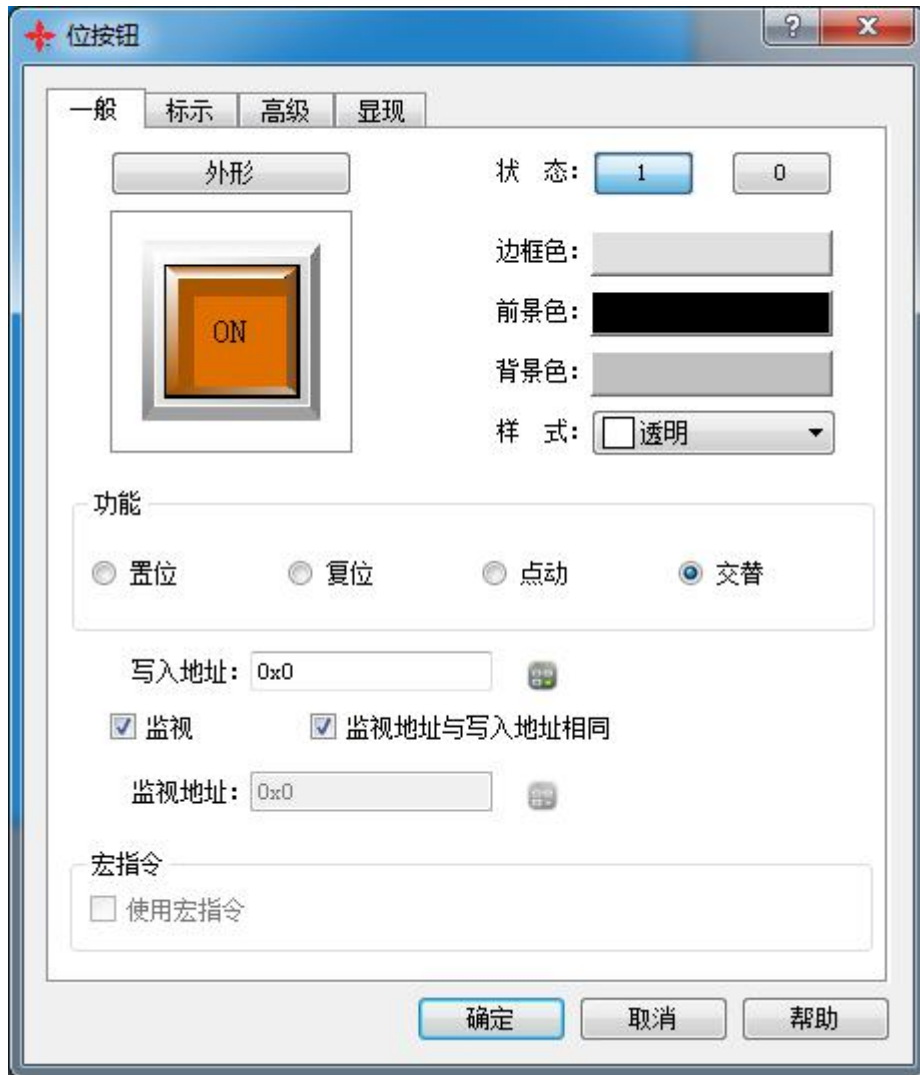
01 01 00 00 00 08 3D CC //读线圈的状态

触摸屏接收的数据

01 01 01 01 90 48 //读到 bit0 是 on 的状态

01 01 01 00 51 88//读到 bit0 是 off 的状态





触摸屏读线圈 发送

01 01 00 00 00 08 3D CC

触摸屏接收

01 01 01 00 51 88 //状态为 off

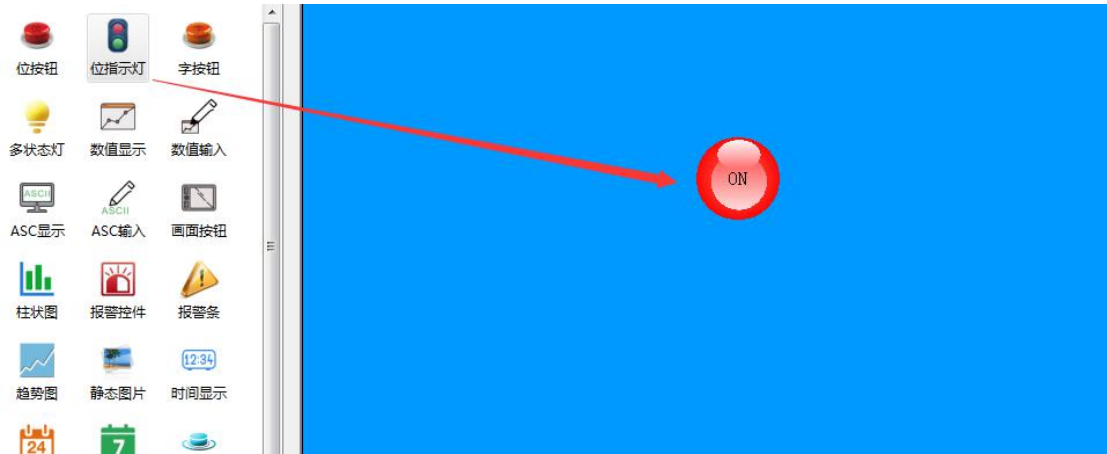
触摸屏写线圈 发送

01 05 00 00 FF 00 8C 3A 写 1

触摸屏接收

01 05 00 00 FF 00 8C 3A

6.触摸屏读输入点状态





触摸屏发送 0x00 地址

01 02 00 00 00 08 79 CC

触摸屏接收

01 02 01 00 A1 88 //bit0 是 oFF 状态

01 02 01 01 60 48 //bit0 是 on 状态