



IOTZONE®

Modbus RTU控制 I/O用户手册

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Zhenming Electronic Technology Co., Ltd



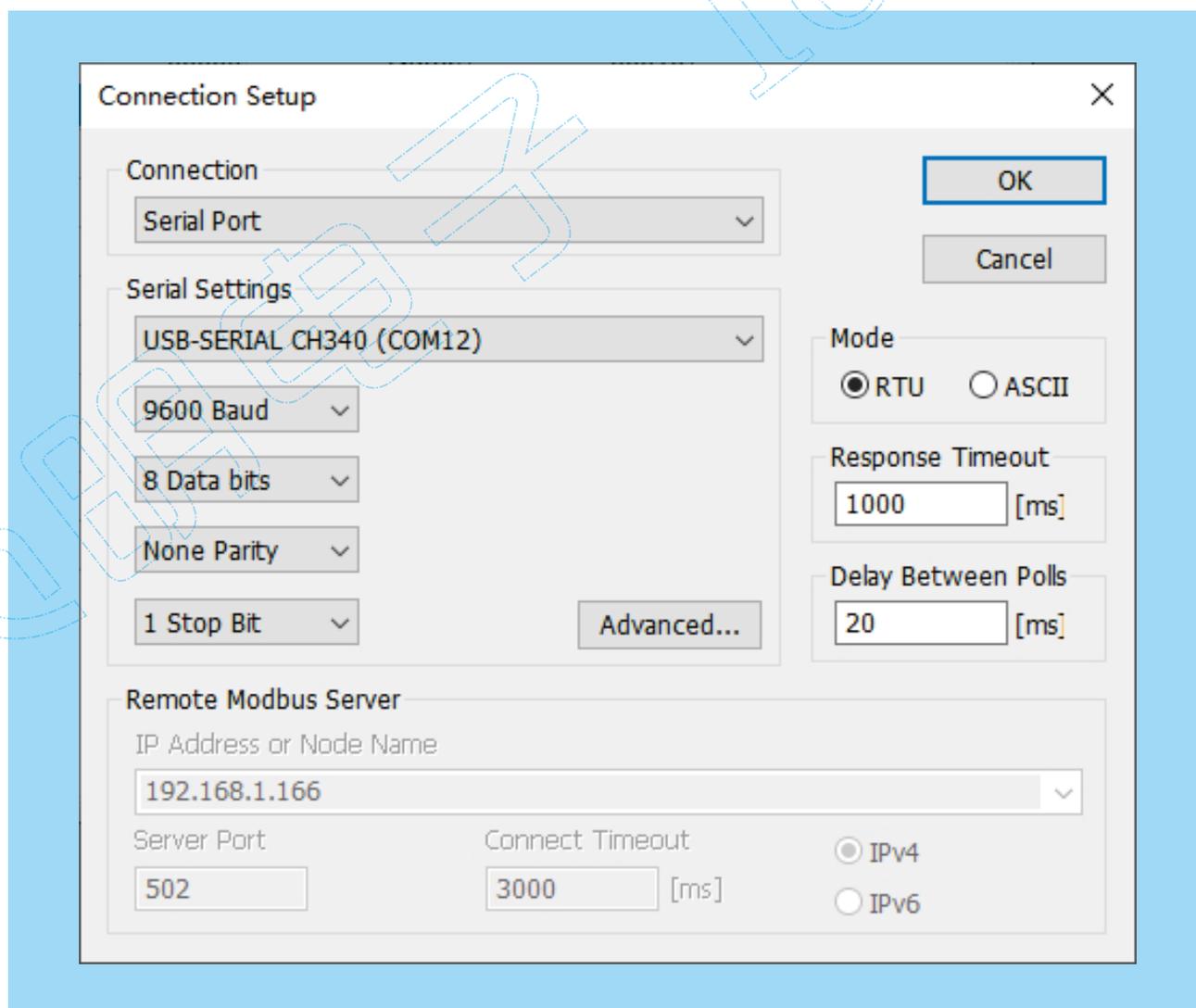
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1. 概述

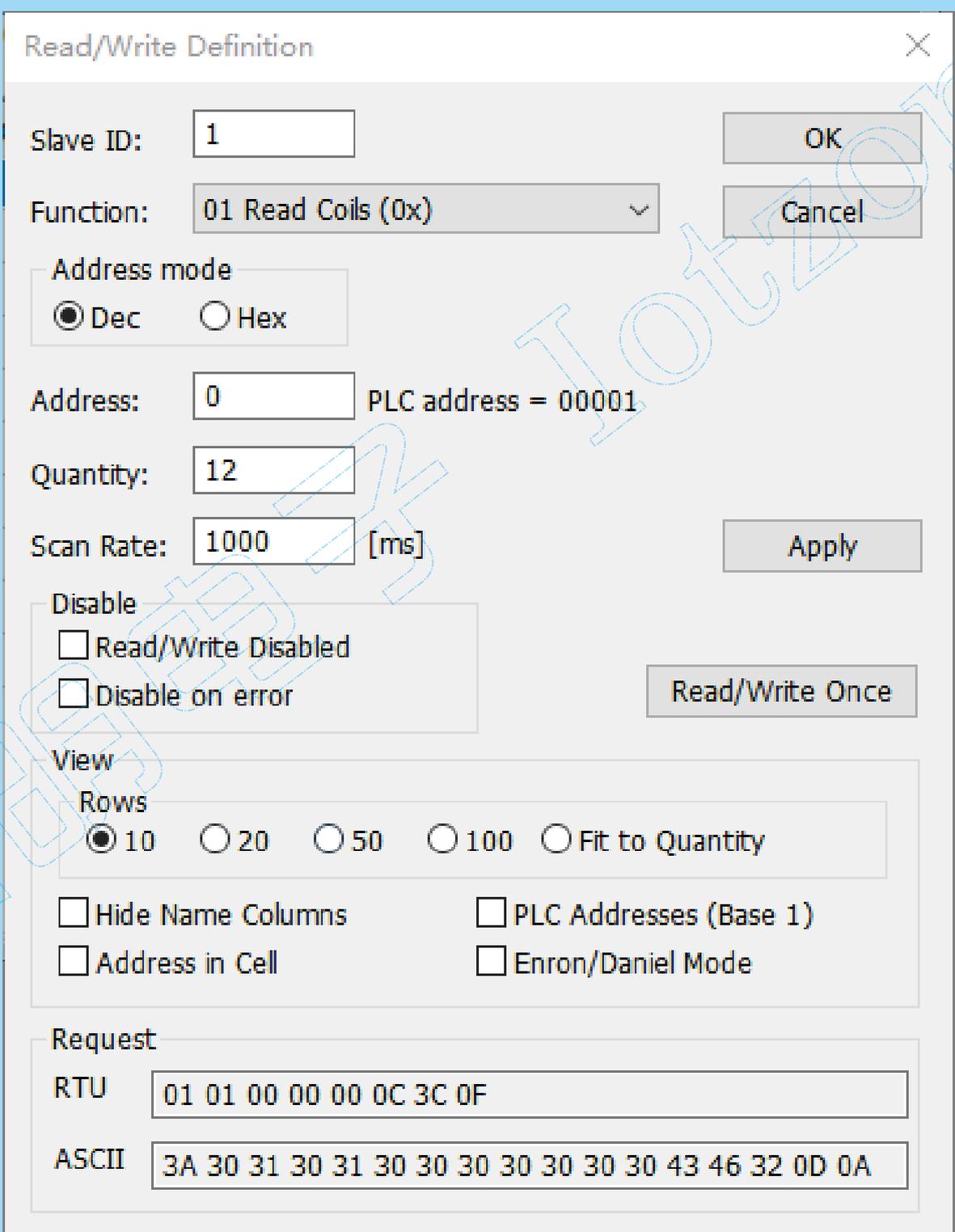
贞明电子的QL 485系列网络继电器支持Modbus RTU，本文档使用Modbus Poll作为测试工具，设备Slave ID是1。

2. 步骤

- (1) 使用USB转485工具连接设备和电脑。
- (2) 设备上电。
- (3) 打开Modbus Poll软件
- (4) 在“Connection”中选择Serial Port，在“Serial settings”中选择对应的COM端口，选择None Parity，波特率为9600，其他默认设置如下图。



(5) 在“Setup”中设置“Read/Write Definition”，“Slave Id”是1，在“Function”中选择“01 Read Coils (0x)”，Address是0，Quantity根据设备继电器数量设置，其他默认，如下图设置。



Read/Write Definition

Slave ID: 1

Function: 01 Read Coils (0x)

Address mode:
 Dec Hex

Address: 0 PLC address = 00001

Quantity: 12

Scan Rate: 1000 [ms]

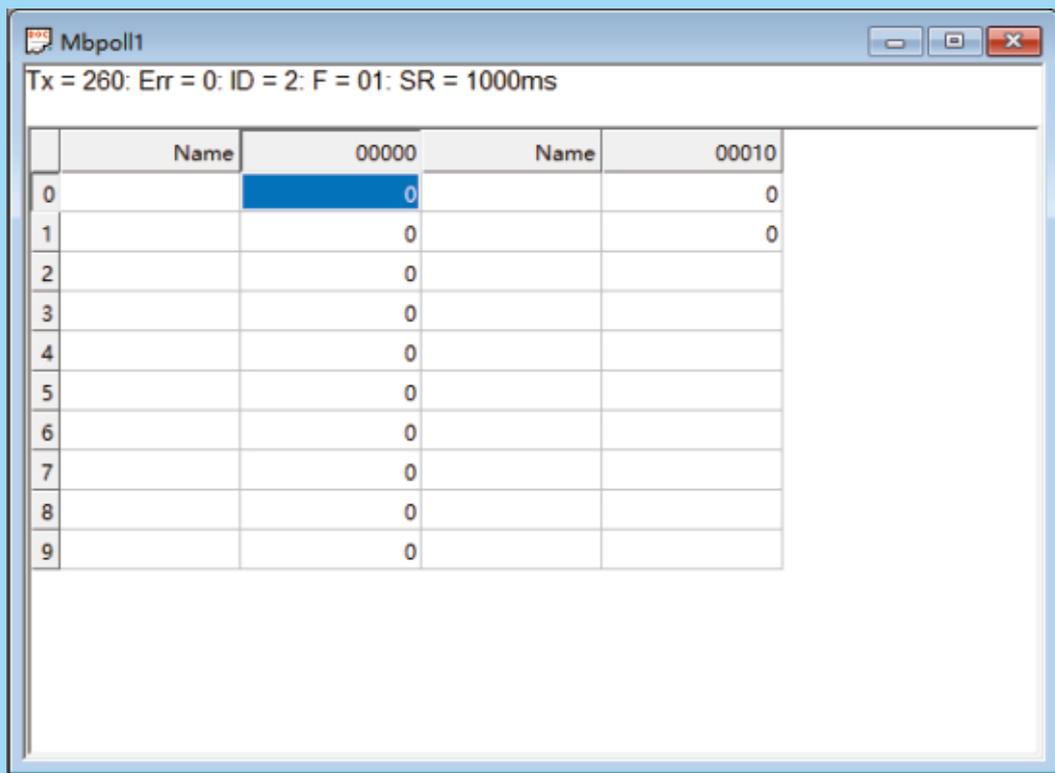
Disable:
 Read/Write Disabled
 Disable on error

View:
Rows: 10 20 50 100 Fit to Quantity
 Hide Name Columns PLC Addresses (Base 1)
 Address in Cell Enron/Daniel Mode

Request:
RTU: 01 01 00 00 00 0C 3C 0F
ASCII: 3A 30 31 30 31 30 30 30 30 30 30 30 43 46 32 0D 0A

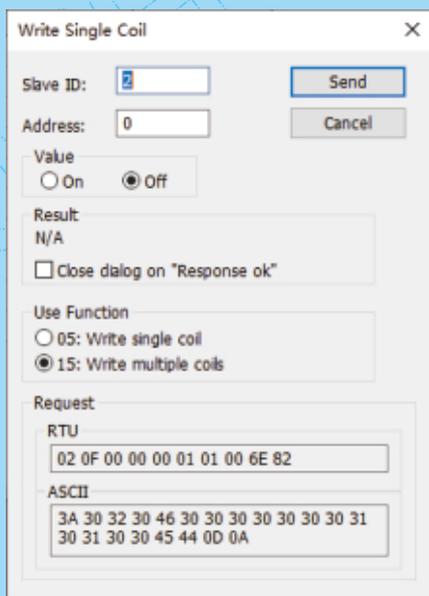
(6) 控制继电器

继电器的所有状态在下图显示，'05' 功能控制单个继电器，'15' 控制多个继电器打开或关闭(在functions中选择)。



Tx = 260: Err = 0: ID = 2: F = 01: SR = 1000ms

	Name	00000	Name	00010
0		0		0
1		0		0
2		0		
3		0		
4		0		
5		0		
6		0		
7		0		
8		0		
9		0		



Write Single Coil

Slave ID:

Address:

Value
 On Off

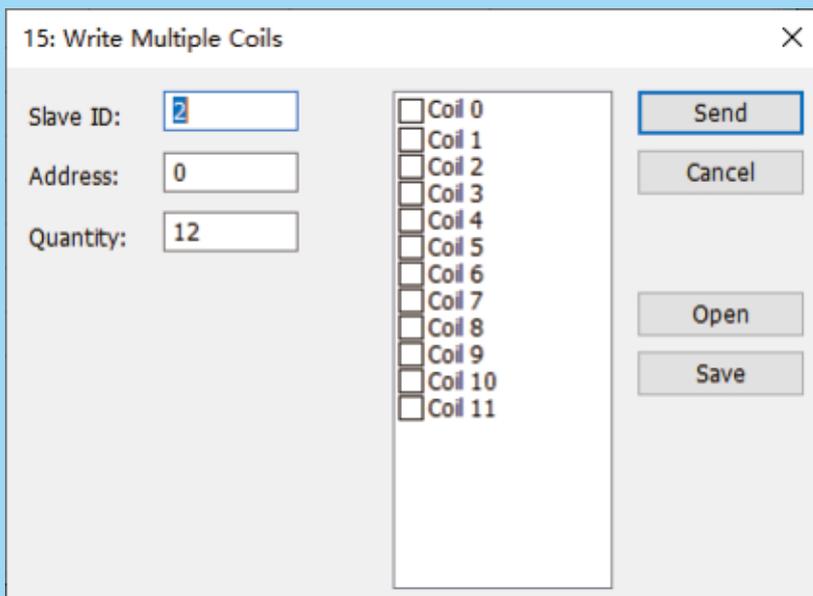
Result
 N/A

Close dialog on "Response ok"

Use Function
 05: Write single coil
 15: Write multiple coils

Request
 RTU

 ASCII



15: Write Multiple Coils

Slave ID:

Address:

Quantity:

- Coil 0
- Coil 1
- Coil 2
- Coil 3
- Coil 4
- Coil 5
- Coil 6
- Coil 7
- Coil 8
- Coil 9
- Coil 10
- Coil 11