快速指南

单口 Modbus 网关 型号: ATC-3002



1、产品

■ATC-3002 Modbus 网关

1台

■ATC-3002 快速指南说明书

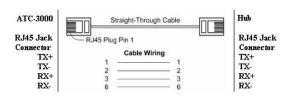
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■9V 电源适配器

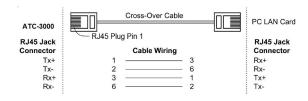
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2、安装

■用网络线连接 ATC-3002 到交换机,可以选择直连或交叉的方式,如下图:



■用网络线连接 ATC-3002 到交换机,使用交叉线连接,如下图:



3、接口定义

RS-232 引脚定义: (DB9 公头)

端子 No.	1	2	3	4	5	6
RS-422	T+	T-	R+	R-	VCC	GND
RS-485	485+	485-	/	/	VCC	GND

RS-422/485 引脚定义: (六位接线端子左起)

(DB9 公头)	信号	I/0
PIN2	RXD	IN
PIN3	TXD	OUT
PIN5	GND	-

■ATC-3002 转换器可使用己配的 9V 电源适配器,也可以从其它直流电源或供电设备供电,供电电压+9V—+48V。

4、 指示灯

LINK — 以太网接口右灯,指示以太网是否建立, 绿色常亮表示建立,不亮或亮黄色则反之;

ACT — 以太网接口左灯,闪烁表示在以太网口与 RS232/422/485 之间有数据传输;

TXD — 当以太网口有数据向 RS232/422/485 串口 发送时闪烁;

RXD — 当 RS232/422/485 串口有数据向以太网口 发送时闪烁:

PWR—— 电源指示,电源接通时红灯亮。

5、软件安装

■无

3、配置 ATC-3002

■用户在开始使用 ATC-3002 时,应先将计算机的 IP 设置为如下状态:

IP 地址: <u>192. 168. 2. 1——192. 168. 2. 254</u> 的范围子网掩码: <u>255. 255. 255. 0</u>

ATC-3000 默认 IP 地址为 <u>192. 168. 2. 3</u>, 用户计算机 IP 不可设定为 该地址, 否则会无法正常连接。

这样便保证了 ATC-3002 与计算机处于同一网段,此时便可以建立连接了(用户计算机必须具备网络接口并安装了 TCP/IP 协议)。用户可以利用 IE 浏览器进入 WEB 页面对 ATC-3002 进行相关配置。

■打开 WEB 浏览器,在地址栏输入 http://192.168.2.3,点击 ENTER,将会弹出如下界面:



用户名:缺省不填,密码:缺省不填。直接点击确定便可进入配置 页面。

■设置串口通信参数及 Mosbus 协议

支持三种串口协议: RS232、RS485、RS422;

串口通信参数缺省为 9600, 8, N, 1;

Modbus 协议缺省为 Modbus RTU,用户可根据自己需求更改为 Modbus Ascii 协议;

其他参数建议使用默认值;

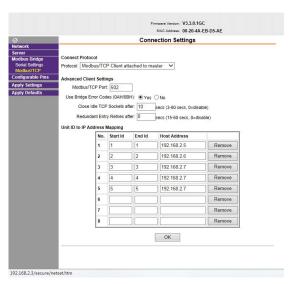
然后先点击 OK, 再点击 Apply Settings, 前面修改的设置才会生效; 需要修改参数时都必须在修改完之后点击 OK 再点击 Apply Settings, 等待数秒至 ATC-3002 完成修改。

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Port Settings Port Setting	Port Settings Port Setting		Serial Settings	
Modbus Bridge Serial Seltings Channet: 1 Interface: RS232 Y Baud Rate: 9600 Y Data Bits: 8 Party: None Y Apply Settings Apply Defaults Flow Control Out: Active Always Y Modbus Protocot: RRTU ASCII Tx Delay after Rx: 0 ms (0=auto) Message Timeout: 5000 ms	Modbus Bridge Serial Seltings Channet: 1 Interface: RS232 Y Baud Rate: 9600 Y Data Bits: 8 Party: None Y Apply Settings Apply Defaults Flow Control Out: Active Always Y Modbus Protocot: RRTU ASCII Tx Delay after Rx: 0 ms (0=auto) Message Timeout: 5000 ms			
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Apply Defaults Flow Control In: Walt til Active (2): No V Delay after Active (3): ms Modem Control Out: Active Always V Modbus Protocol: © RTU O ASCII Character Timeout: 50 ms (0=auto) Tx Delay after Rx: 0 ms Message Timeout: 5000 ms	Apply Defaults Flow Control In: Walt til Active (2): No V Delay after Active (3): ms Modem Control Out: Active Always V Modbus Protocol: © RTU O ASCII Character Timeout: 50 ms (0=auto) Tx Delay after Rx: 0 ms Message Timeout: 5000 ms	Apply Settings	Flow Control Out: Active Always Delay before Transmit (1): ms	
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Protocol:	Protocol:		Modem Control Out: Active Always	
			OK	

■设置 Mosbus 连接

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	Connec	t Protocol					
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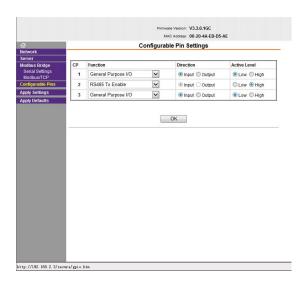
如上图所示: ATC-3002 作为 slave 使用时, Connect protocol中 protocol选择默认值 Modbus/TCP Server attached to slave (s).



如上图所示: ATC-3002 作为 master 使用时,Connect protocol 中 protocol 选择 Modbus/TCP Client attached to master, Modbus/TCP Port 缺省502, Uint ID to IP Address Mapping 设置中可填入用户作为 slave 的设备 IP 地址及 ID 号。再点击 OK,然后 Apply Settings 等待数秒设置修改完成。

■设置 RS485、RS422

如下图所示: 若用户使用的串行接口为 RS485 或 RS422, 还需在 Configurable Pins 中将 CP2 设置为 RS485 Tx Enable, Active level 设置为 High, 再点击 OK, Apply Settings 等待数秒设置修改完成。



注意: 有些浏览器在用户修改参数成功后, 仍显示没修改前的参数, 刷新网页仍无效的情况下, 建议用户关闭浏览器后重新登录 ATC-3002 网页配置地址 192. 168. 2. 3 (建议使用 IE 浏览器或 360 浏览器)。