A-1200 配置软件使用和测试

1. 点击 Search 按钮

AXR2E Configuration Utility	/ v1.6.0							
File View Help								
21 20 % 🖬 👻	-	1						
Device Management	System	Search	Device Setup	Reboot	Firmware	Use Ext	ernal Brow	rser
Virtual Serial Port	Setting	IP Search	Web Browser	Restore	Upgrade	Search /	After Applic	cation Start
M Device Monitor	Status I	dle	3					
DHCP Server	Progress Devices List							
TFTP Server	NO.	Device Name	MAC Addre	ess DHCP	IP	Port	Mode	Status
COM Port Terminal	✓ 1	DSM1	00-0E-C6-00-	00-37 Disable	9 192.168.1.	244 5000	Server	ldle
Virtual COM Ports	2							
System Log								

2. 选中搜索出来的 ATC-1200, 然后点击 Web Browser 按钮

AXR2E Configuration Utility	/ v1.6.0								
e View Help									
D Device Management	System Setting	Search IP Search	Device Setup Web Browser	Reboo Restor	ot	Firmware Upgrade	Use Ext	ternal Brow After Applic	vser cation Start
Device Monitor	Status I Progress	dle							
S TFTP Server	Devices List	Device Name	MAC Addr	ess [DHCP	IP	Port	Mode	Status
COM Port Terminal	1	DSM1	00-0E-C6-00-	-00-37 E	Jisable	192.168.1.244	5000	Server	Idle
	E ADVANCED TECHNOLOGY	SERIAL TO	ETHERNET (CONVER	RTER		2 4200		
						P/N: AT	-1200)	
Login									
	Us	ername adn	nin						
	Pa	assword •••	•• Lo	gin					
	-							_	_

然后就会出现登录提示框,输入用户名和密码都是 admin

3. 登录进入 ATC-1200 Web 网页

Data Baud Rate	9600 🔽			
Data Bits	8 🗸		1	
Data Parity	None 🗸		1	
Stop Bits	1 🗸			
Flow Control	None			
Serial Type	RS485	$\overline{}$		
Network Settings				
DHCP Client	Disable 🔽			
Static IP Address	192.168.1.244			
Static Subnet Mask	255.255.255.0			
Static Default Gateway	192.168.1.1			
Static DNS Server	168.95.1.1			
Connection Type	TCP 🔽			
Transmit Timer	30			
	Please enter an integer l	between 10~6	5535 ms	
Server/Client Mode	Server 🗸			2
Server Listening Port	5000			2
	Please enter an integer l	octween 1024	-65595	
	192 168 1 199			
Client Destination Host Name/IP	1152.100.1.155			
Client Destination Host Name/IP	Please enter host name	or IP address		
Client Destination Host Name/IP Client Destination Port	Please enter host name	or IP address		

根据实际需求修改串口参数, IP 地址以及工作模式。

4. 添加虚拟串口

e <u>V</u> iew <u>H</u> elp 2 ? <u>DS</u> <u>TS</u> 							
Device Management	Virtual Port	Network	Virtual Port / I	Vetwork Co	onfiguration	1	
V Virtual Serial Port	Add	Connect	Connection F	Connection Protocol		Host IP 168 . 0 . 2	Remote Host Port
M Device Monitor	Remove	Close	Client		Enable Flow Control Packet		
DHCP Server		Setting	Listen Port		I Comme	ut at windows Stan	
TFTP Server							
COM Port Terminal	Status Adder	d a virtual serial p orts List	ort successfully				
- Virtual COM Ports	Port ID Port	Name	Status	Remo	te IP	Remote Port	
	0	12	Idle				

点击左边菜单的 Virtual Serial Port,然后点击 Add 按钮。

5. 选中新添加的 COM 口,点击 Setting 按钮。

AXR2E Configuration Utility	v1.6.0						_ 0 X
<u>File View H</u> elp							
<u>21</u> 20 ? 🖫 篭							
D Device Management	Virtual Po	rt Network	Virtual Port / Networ	k Configuration	n Haat ID	Pamota Hast Part	
Virtual Serial Port	Add	Connect		1P 192 .	168 . 0 . 2	5000	
M Device Monitor	Remove	e Close	Client	Enabl	e Flow Control Packet		
DHCP Server		Setting	C Server		ect at windows oran		
TS TFTP Server							
C COM Port Terminal	Status A Virtual Ser	\dded a virtual serial p ial Ports List	ort successfully				
Virtual COM Ports	Port ID	Port Name	Status R	emote IP	Remote Port		
COM2	1	COM2	Idle				

6. 配置虚拟串口的参数,如果 ATC-1200 网页配置为 TCP Server,那么这里需要选择 Client 模式连接,填写 ATC-1200 的 IP 地址和端口号。

RE AXR2E Configuration Utility	v1.6.0			- 🗆 X
Eile View Help				1
Device Management	-Virtual Port	Network	-Virtual Port / Network Configuration Connection Protocol Remote Host IP Remote Host Port	
Virtual Serial Port	Add	Connect	C TCP C UDP 192 . 168 . 1 . 244 5000	
M Device Monitor	Remove	Close	Client Enable Flow Control Packet Server Connect at Windows Start	
DS DHCP Server		ОК	Listen Port	
C COM Port Terminal	Status Adde Virtual Serial P	d a virtual serial orts List	I port successfully	

7. 配置完成之后点击 OK 按钮, 然后再点击 Connect 按钮。

D) Device Management	Virtual P	ort Network	Virtual Port / Ne	etwork Configuration		Remote Host Port
V Virtual Serial Port	Add	Connect	Connection Pro	OUDP 192	ost IP 168 . 1 . 244	
M Device Monitor	Remo	Close	Mode Client	Enable	Flow Control Packet	1
DS DHCP Server		Setting	C Server	Connec	et at Windows Start	
TS TFTP Server						
COM Port Terminal	Status Virtual Se	Connected to remote rial Ports List	host 192.168.1.244	@5000		
- Virtual COM Ports	Port ID	Port Name	Status	Remote IP	Remote Port	
				and the second	and the second	

8. 使用 Modbus Slave 工具测试,通过虚拟串口连接一个支持 Modbus RTU 协议的 PLC 主站。

	ai	Virtual S	erial Ports List				
irtual COM Ports COM2 (192.168.1	1.244	Port ID 1	Port Name COM2	Status Connected	Remote IP 192.168.1.244	Remote Port 5000	
m Log 2016-12-1 2016-12-1	Image: Second	1 bus Slave - dit Conne Slave1 : F = 01 nnection	COM2 Mbslave1 ction Setup Displa ias Connection Serial Po Serial Sett ASIX Virtual Set Settal Sett Set Set Set Set Set Set Set Set Set Set Set Set Set Set Set Set Set Set Set	Connected ay View Window Setup n n t t ual Serial Port (COM2) ad wode @ RTU ()	192.168.1.244	5000	
	7 8 9		None Pa	ity Flow Control ity T DSR T I [ms]	CTS 👿 RTS Toggle RTS disable delay		

9. 测试运行正常。

Modbus Slave - Mb	oslave1			
ile Edit Connectio	on Setup Display Vi	ew Window H	łelp	
	<u>見</u> 自 ? №			
💬 Mbslave1				
ID = 1: F = 01				
				-
Alias	00010	Alias	00020	
0			0	
1			0	
2			0	
3			0	
4				
5				
6	1			
7	0			
8	0			
9	0			
Communicatio	n Traffic			
Exit	Stop Clear	Save		
000000-Rx:01 05 00 10	PF 00 8D FF	· · · · · · · · ·		
000001-Tx:01 05 00 10 000002-Rx:01 05 00 10 000003-Tx:01 05 00 10	1 FF 00 8D FF 1 FF 00 8D FF 1 FF 00 8D FF			
000004-Rx:01 05 00 10 000005-Tx:01 05 00 10 000006-Rx:01 05 00 10	0 00 00 CC 0F 0 00 00 CC 0F 0 00 00 CC 0F			
000007-Tx:01 05 00 10 000008-Rx:01 05 00 10 000008-Rx:01 05 00 10	DO DO CC OF FF DO BD FF			
000010-Rx:01 05 00 10 000011-Tx:01 05 00 10	FF 00 8D FF FF 00 8D FF			

10. 使用 Modbus Poll 工具测试,通过虚拟串口连接一个支持 Modbus RTU 协议的 I/O 模块从站设备。

- Virtual C	COM Ports	Port ID Port Name	Status	Remote IP	Remote Port	
COM	12 (192.168.1.244	COM2	Connected	192.168.1.244	5000	
	Modbus Poll	Mbpoll1				, 0
	File Edit Con	nection Setup Functions	Display View Windo	w Help		
	D 📽 🖬 🎒	🗙 🛅 🗏 🚊 🕮 05 (06 15 16 17 22 23	TC 🖭 🤗 🕅		
	Mbpoll1					
	Tx = 0: Err = 0	: ID = 1: F = 03: SR = 1000	ms			
stem Log	No connection	Connection Setup				
lo		A				
-	2			OK		
	4			Cancel		
		Serial Settings				
	2	ASIX Virtual Serial Port (CC)M2) 🔹 👻	Mode		
	3	通信端口 (COM1) ASIX Virtual Serial Port (CD	M2)	💿 RTU 💿 ASCII		
	4	C0M2	=	Response Timeout		
	5	COM5		200 [ms]		
	6	COM6 COM7				
	7	COM8		Delay Between Polls		

11. 测试运行正常。

Modbus Poll - I	Mbpoll1	Functions	Dicplay View	Window	Help			
	× I ➡ I ■			22 23 1		? №		
	<u> </u>		00 13 10 17		C BI	8 1.		
A Mbpoll1								
x = 22: Err = 0	1: ID = 1: F =	01: SR = 10	looms					
A	Alias	00000	Alias	00	0010			-
0		1			0			
1		0			0			
2		0			0			
3		0			0			
4		0			0			
5		0			0			
6		0						
7		0						
8		0						
9		0						
Communicat	ion Traffic	Cļear	Save (<u>С</u> ору) [g)	Stop on <u>E</u> rror	<u> </u>
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	00 89 PC 00 10 3D C6 00 89 PC 00 00 10 3D C6 00 10 3D C6<							