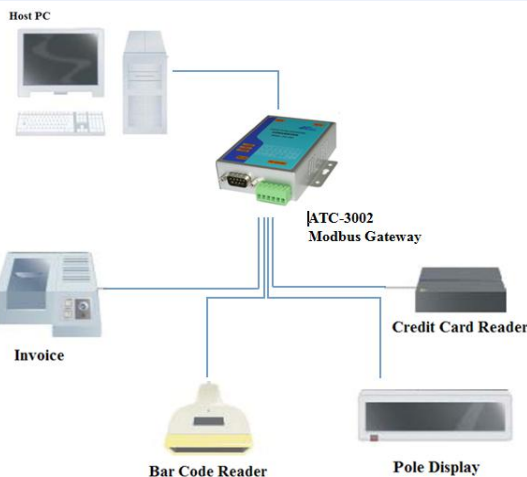## Product Features

- RS-232/422/485 3 in 1 interface
- Support 10/100Mbps Ethernet port
- Supports 4-wire and 2-wire RS-485 work mode
- Automatic data direction control on RS-485
- Supports 24VDC industrial power supply
- Terminal block easily for RS-422/485 installation
- Configure via webpage and windows utility
- Supports virtual serial port,TCP Server/Client and UDP work mode
- Built-in watchdog
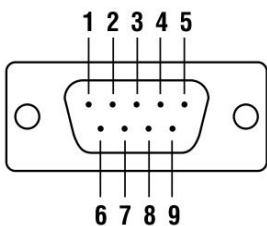- CE, RoHS and FCC Certifications

Product Description

Modbus is an industry adopted communication protocol that is based on RTU, ASCII, and TCP protocols for various of applications; these three protocols are commonly used by a lot of equipments in the industry, such as DCS, PLC, HMI, power meters, various sensors and measuring instruments. ATC-3002 series supports the standard Modbus protocol and is capable of converting the Modbus protocols between Modbus RTU/ASCII (Master) to Modbus TCP (Slave). It's asimple and cost effective Modbus Gateway.

ATC-3002 series which supports the three most commonly used serial communication interfaces, RS-232, RS-422 and RS-485. It also provides a web-based configuration UI, so the users can select the serial interface easily.

Pin Assignment

RS-232 DB-9(Male)

PIN	RS-232
1/4/6/9	-
2	RXD(in)
3	TXD(out)
5	GND
7	CTS(out)
8	RTS(in)

RS-485/422 6-pin Terminal block

1	2	3	4	5	6
485+(T+)	485-(T-)	R+	R-	VCC(9~63VDC)	GND

Package Checklist

- ATC-3002　1-Port Modbus Gateway 1 PCS
- Power adapter 9V

Order Information

ATC-3002　　One port Modbus Gateway

Specifications

Serial Interface		
Interface Type	RS-232/485/422 3 in 1	
Data Rate	300bps ~ 115200bps	
Data Length	7,8 bits	
Parity	Odd, Even, None	
Stop Bits	1,,2 bits	
Flow Control	None, Hardware: RTS/CTS	
Connector	RS-232	DB-9 male
	RS-485/422	6-pin Terminal block
Serial Line Protection	600W for RS-232, RS-485/422	

Network Interface	
Interface Type	Ethernet 10/100Mbps (Auto-Sensing)
Connector	8-pin RJ-45
Isolation Protection	Built-in 1.5KV
Protocol	ModBus TCP/ASC/RTU,SNMP,HTTP

Software		
Network Protocols	ARP, UDP/IP, TCP/IP, PING/ICMP, DHCP, BOOTP, Auto IP,TFTP, SNTP ,TELNET ,HTTP, DNS,SMTP, PPP, LCP, PAP, CHAP, IPCP, PPPoE. SSL/TLS,HTTPS	
Configure Options	Web Page,Windows Utility,Telnet	
OS support	Windows95/98/ME/NT/2000/XP/2003/WIN7/WIN8/XP x64/2003 x64/WIN7 x64/WIN8 x64、 Linux real、TTY、UNIX	
LED Indicators	LINK	Link Activity Indicator
	ACT	Data Transmitting between Serial and Ethernet Indicator
	TXD	Ethernet to transmit data to the serial port Indicator
	RXD	Serial port to transmit data to Ethernet Indicator
	PWR	Power indicator

Power Supply	
	9~48VDC

Physical Characteristics		
Installation	DIN-Rail Mounting	
Housing	Iron (1mm)	
Weight	0.5Kg	
Dimensions	Without ears	100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in)
	With ears	100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in)

Environmental Limits	
Operating Temperature	-40 ~ 70°C (-13 ~ 158°F)
Storage Temperature	-40 ~ 85°C (-40 ~ 176°F)
Humidity	5% to 95%(non-condensing)

Standards and Certifications
RoHS, CE, FCC

Contact us

Shenzhen ATC Technology Co., Ltd

Room 803, Block B, Building 4, Tian'an Cyber Park, Longgang District, Shenzhen,China,518172

Tel: +86-755 - 8345 2531 / 8345 3318   Fax: +86-755-2899 8985   www.szatc.com   tech@szatc.com