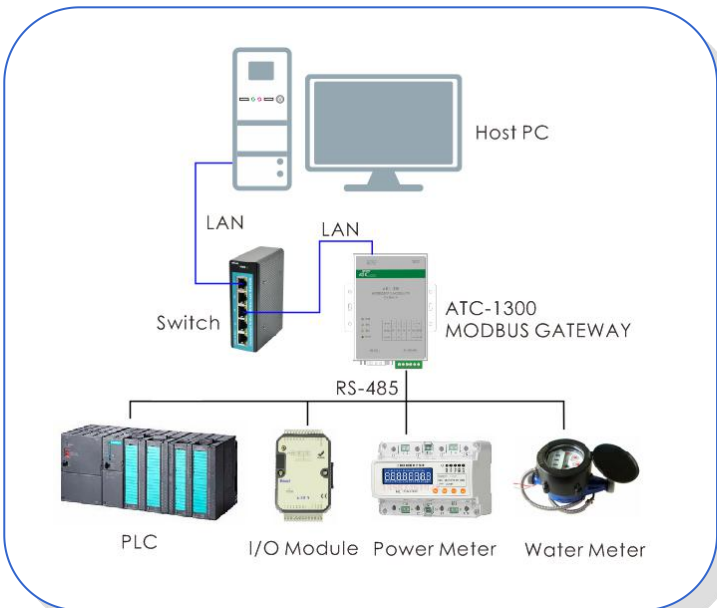## Product Features

➢ 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

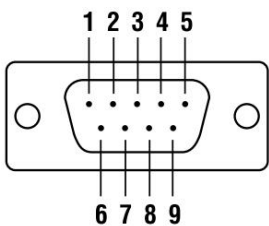➢ Built-in watchdog

➢ CE, RoHS and FCC Certifications

Product Description

Modbus TCP and Modbus RTU is an industry adopted communication protocol that is based on RTU protocols for various of applications; These two protocols are commonly used by a lot of equipment in the industry.Such as DCS, PLC, HMI, I/O module, Power meters, various sensors and measuring instruments. ATC-1300 support the standard Modbus protocol and is capable of converting the Modbus protocols between Modbus TCP (Master) to Modbus RTU (Slave). It's a simple and cost effective Modbus Gateway. ATC-1300 which support 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+(R+)	485-(R-)	T+	T-	VCC(9~24VDC)	GND

Order Information

ATC-1300   1- Port Modbus Gateway

Package Checklist

➢ ATC-1300   1-Port Modbus Gateway 1 PCS

➢ Power Adapter 9V   1 PCS

➢ DIN Rail Mounting Kit(DK-32)   (Optional)

Specifications

Serial Interface		
Interface Type		RS-232/422/485 3 in 1
Data Rate		1200bps ~ 115200bps(RS-232),1200bps ~ 921600bps(RS-422/485)
Data Length		5,6,7,8 bits
Parity		Odd, Even, None
Stop Bits		1,1.5,2 bits
Flow Control		None, Hardware: Xon/Xoff
Connector	RS-232	DB-9 Male Connector
	RS-485/422	6-pin Terminal Block
Serial Line Protection		600W for RS-232, RS-422/485
Network Interface		
Interface Type		Ethernet 10/100Mbps (Auto-Sensing)
Connector		8-pin RJ-45
Isolation Protection		Built-in 1.5KV
Protocol		Modbus TCP/ Modbus RTU
Software		
Network Protocols		TCP,DHCP, HTTP SERVER,DNS CLIENT
Configure Options		Web Page,Windows Utility
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
	TXD	Ethernet to transmit data to the serial port Indicator
	RXD	Serial port to transmit data to Ethernet Indicator
	PWR	Power indicator
Power Supply		9~24VDC@0.5A
Physical Characteristics		
Installation		DIN-Rail Mounting (optional)
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 ~ 185°F)
Humidity		5% to 95%(non-condensing)
Standards and Certifications		
		RoHS, CE, FCC

Contact us

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