

Product Features

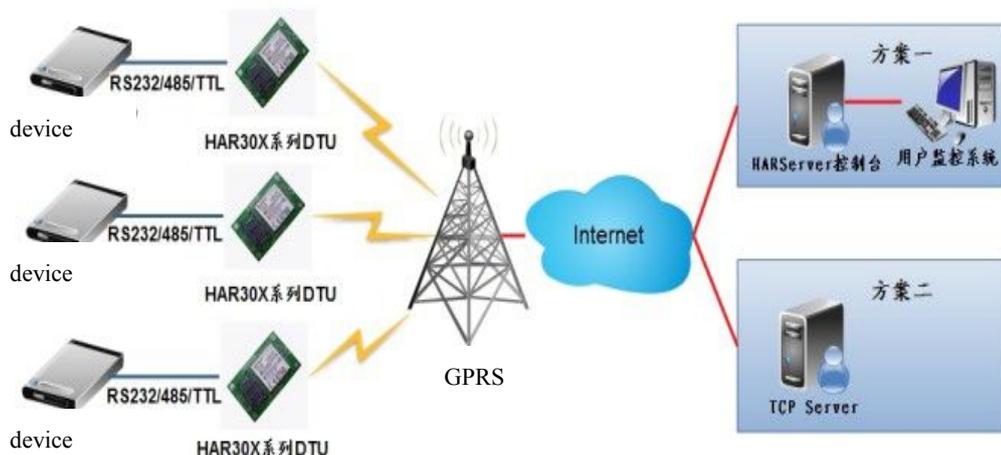
- Bidirectional full transparent transmission between GPRS and UART.
- Industrial high speed ARM process.
- Frequency Range:850/900/1800/1900MHz
- Baud rate Range: 1200 to 115200bps, UART support RS232/RS485.
- Built-in watchdog.
- Auto establishing network: one to one or one to multiple.
- IP automatic registration mechanism.
- Remote dormancy and awakening by phone message.
- Permanent online: After power on the DTU will always connected with the Data center, Automatic reconnection after off net.
- Wake up online: 5 minutes without data transmission automatic cutting off net.
- Configure the DTU by serial port or message.
- Two channel of relay or digital output. Two channel high level input alarm.
- IP or DNS access, automatic switching between master server and reserve server, TCP and UDP communication mode.
- Support for special APN, support static IP and dynamic DNS.



Product Description

W3100G is an embedded wireless data transmission module which is based on the GSM\GPRS network. This module has wide network coverage and easy to establishing network. And it is also a high reliability and low operation cost module.

This module can bidirectional full transparent transmission between GPRS and UART so that you can connect you device to internet and make a convenient wireless remote communication. The Operating temperature range from -35°C to +80°C reaches the industrial standards. This module can be used for the Industry about industrial control, field communication, remote monitoring, intelligent power meter system, traffic control, meteorological phenomena monitoring, water conservancy monitoring, environment monitoring, Finance & Securities, LED information publishing system, mine, petroleum and so on. It is suitable for the center to multiple points system and medium or small transmission of dispersed multiple points system.



Pin Assignment

COM/OUT 4-pin Terminal block

1	2	3	4
COM1	OUT1	COM2	OUT2

RS-485/232 9-pin Terminal block

1	2	3	4	5	6	7	8	9
VIN	GND	RXD	TXD	485+	485-	IN1	CGND	IN2

Order Information

ATC- W3100G Industrial GPRS DTU RS-232/485

Package Checklist

- ATC-W3100G serial server 1 PCS
- Documentation and software CD 1PCS
- Power adapter 9V 1 PCS
- One meter sucker antenna 1PCS

Specifications

Serial Interface		
Interface Type	RS-232/485 (optional)	
Data Rate	1200bps~115200bps	
Data Length	7,8 bits	
Parity	Odd, Even, None	
Stop Bits	1, 2 bits	
Connector	RS-485/232	
GSM Interface		
Frequency	850/900/1800/1900MHz	
GPRS Speed	Upload: 1~2KB/s	
	Download: 3~4KB/s	
Output power	Class4(2W@850/900MHz)	
	Class1(1W@1800/1900MHz)	
SIM card	Standard 3.3V/1.8V user card interface	
GPRS work voltage	3.4~4.5VDC	
Work current	Standby:<30mA@5VDC	
	Transmission:<200mA@5VDC	
	Emission peak value:1.5A@5VDC	
Alarm and Relay		
Alarm signal	3.0V~12.0V@<30mA	
Relay input/output	2A/120V(AC) 2A/24V(DC) 1A/24V(DC)	
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	GSM Link Indicator
	STATE	GSM State
	ACT	Date Transmitting between Serial and GPRS
	PWR	Power indicator
Power Supply		
9~24VDC@1A		
Physical Characteristics		
Installation	DIN-Rail Mounting	
Housing	Iron (1mm)	
Weight	0.5Kg	

Dimensions	100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in)
Environmental Limits	
Operating Temperature	-35 ~ 70°C
Storage Temperature	-45 ~ 125°C
Ambient Relative Humidity	5% to 95%(non-condensing)
Standards and Certifications	
RoHS, CE, FCC	

Contact us

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