

Zigbee to RS-232/422/485 converter

ATC-3200

Product Features

- > Utilizes globally available 2.4 GHz ISM band
- Control and Configuration with UART commands.
- 65535 unique node addresses, IDs allow multiple large networks to coexist.
- Programmable Transmit Power Output, max. 12 dBm
- ➤ Complete IEEE 802.15.4 spec compliant
- Typical Receiver Sensitivity –102 dBm
- Typical Throughput rate 250,000 bps
- Obstructed signal range to 500 meters @ 12dBm/PA and -102dBm/LNA
- Multiple Low Power Operating modes
- > 3-in-1 RS-232/422/485 interface Max.115.2Kbps Serial interface and zigbee.
- ➤ Supports 4- and 2-wire RS-485 with AUTO-SEND™ and built-in terminator
- Supports industrial 24 VDC power input and optional Power over Serial
- Terminal block accessories for easy RS-422/485 serial wiring
- > Easy and powerful configuration program
- Approval CE, RoHS



Product Description

The ATC-3200 is a cost effective and highly integrated Serial-to-Zigbee wireless Converter. Built on ZigBee technology, the ATC-3200 is ideal for a range of applications from simple RS-232 cable replacement to sophisticated multi-drop RS-485 networks and everything in between. Available in RS-232/RS-422/RS-485.

ZigBee is the global wireless language connecting dramatically different devices to work together and enhance everyday life. The ZigBee Alliance is a non-profit association of more than 280 member companies driving development of ZigBee wireless technology. The Alliance promotes world-wide adoption of ZigBee as the leading wirelessly networked, sensing and control standard for use in energy, home, commercial and industrial areas.

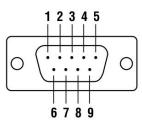
Product Application

- Wireless remote control
- Automatic data acquisition systems
- Meteorology and hydrology monitoring
- Building automation
- Personal area network

- Gate safety check on work attendance
- POS system
- Wireless monitoring of machine room facilities;
- PC peripherals

Pin Assignment

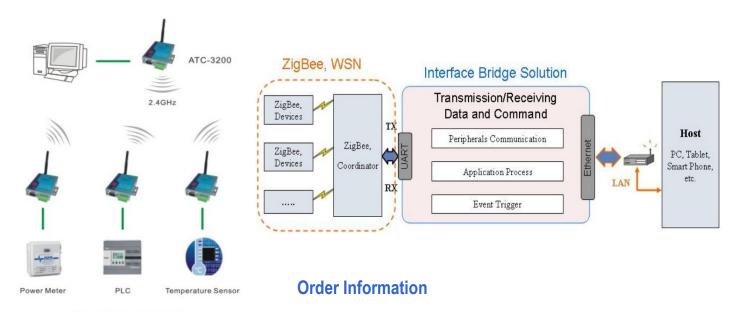
RS-232 DB9 (Male)



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

RS-485/232 6-pin Terminal block

1	2	3	4	5	6
485+(T+)	485-(T-)	R+	R-	VCC (9~32VDC)	GND



Zigbee Wireless Application

ATC- 3200 Zigbee to RS-232/422/485 Converter 2.4GHz

4GHz 500meter

Specifications

Serial Interface					
Interface Type		RS-232/485/422 (optional)			
Connector	RS-232	DB9(Male)			
	RS-485/422	6-pin Terminal block			
LED Indicators	SET	Indication Zigbee Link, yellow on Zigbee Link established			
	LINK	Data Sending/Receiving between Serial and the Zigbee			
	PWR	Power indicator			
Power Supply		9~24VDC@1A			
Physical Characteristics					
Installation		DIN-Rail Mounting			
Housing		Iron (1mm)			
Weight		0.6Kg			
Dimensions		100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in)			
Environmental Limits					
Operating Temperature	е	-35 ~ 70°C			
Storage Temperature		-45 ~ 125°C			
Ambient Relative Humic	dity	y 5% to 95%(non-condensing)			
Standards and Certifications					
RoHS, CE					

Contact us

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