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

➢ Obstructed signal range to 100 meters @ 12dBm/PA and -102dBm/LNA

➢ Multiple Low Power Operating modes

➢ 3-in-1 RS-232/422/485 interface Max 57.6Kbps 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.
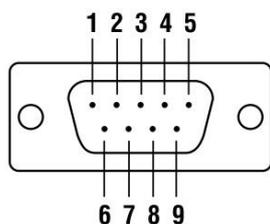
ZigBee is the global wireless language connecting dramatically different devices to work together and enhance everyday life. The ZigBee Alliance is a non-profit association of more than 280 member companies driving development of ZigBee wireless technology. The Alliance promotes world-wide adoption of 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;
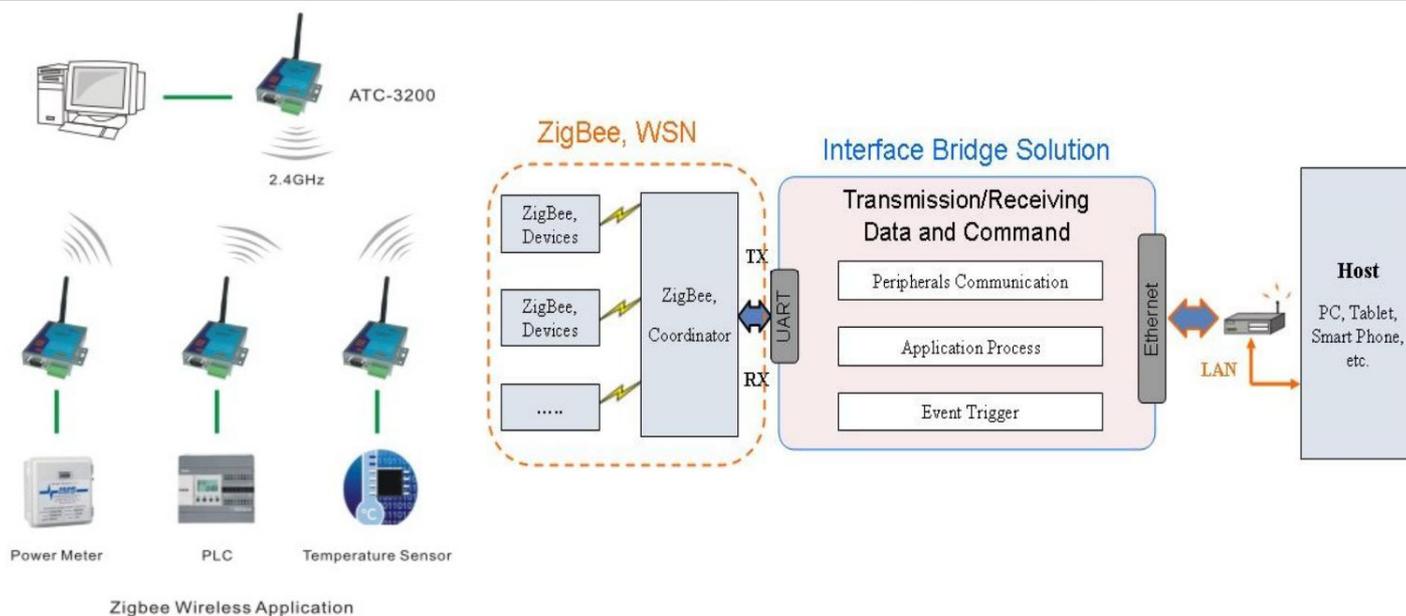
➢ PC peripherals

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(9-24VDC)	GND

Zigbee Wireless Application

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		0.5Kg
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

Order Information

ATC- 3200   Zigbee to RS-232/422/485 Converter   2.4GHz   100meter

Contact us

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