Product Features

• Utilizes globally available 2.4 GHz ISM band

• Control and Configuration by ATC utility software.

• 65535 unique node addresses, IDs allow multiple large networks to coexist.

• Powerful ARM® Cortex® -M3 inside

• Power Output, max. +5 dBm

• Complete IEEE 802.15.4 spec compliant

• Typical Receiver Sensitivity –100dBm

• Typical Throughput rate 115200bps

• Obstructed signal range to 200 meters @12dBm/PA and -100dBm/LNA

• Easy and powerful control and Configuration by ATC utility software.

Support coordinator and Auto-router mode

• 3-in-1 RS-232/422/485 interface Max 115.2Kbps Serial interface .

• Supports 4- and 2-wire RS-485 with AUTO-SEND™

• Supports industrial 24VDC power input

• Terminal block accessories for easy RS-422/485 serial wiring

• Approval CE,FCC, RoHS

Product Description

The ATC-2630 is a cost effective and highly integrated Serial-to-Zigbee wireless Converter. Built on ZigBee technology, the ATC-2630mis 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.
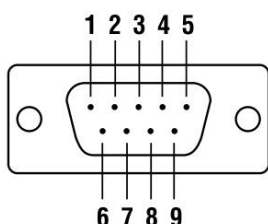
The Alliance promotes world-wide adoption of ZigBee as the leading wirelessly networked, sensing and control standard for use in energy,home,commercial and industrial areas.

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

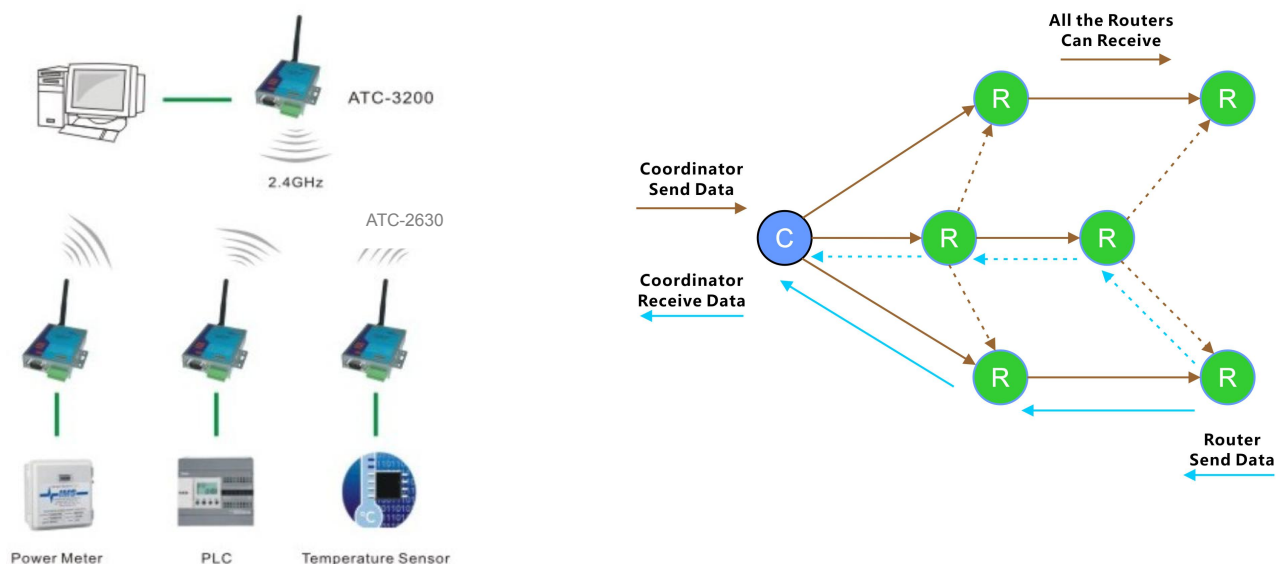## Pin Assignment

RS-232 DB9（Male）

```
1 2 3 4 5
6 7 8 9
```

RS-232 Pinout(DB9F)

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

RS-422/485 6-Pin Terminal Block

1	2	3	4	5	6
485+（T+）	485-（T-）	R+	R-	VCC（9-24VDC）	GND

ATC-2630 Application Diagram

Specifications

Serial Interface		
Interface Type	RS-232/422/485 (optional)	
Connector	RS-232	DB9(Female)
	RS-422/485	6-pin Terminal block
LED Indicate	LINK	Indication Zigbee Link, light mean working as Coordinator.Flash as slave or router
	TXD	Data Sending from Zigbee to serial port
	RXD	Data receiving from serial port to 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	-40 ~ 70°C	
Storage Temperature	-45 ~ 125°C	
Ambient Relative Humidity	5% to 95%(non-condensing)	
Standards and Certifications		
CE,FCC,RoHS		

Order Information

ATC- 2630   Zigbee to RS-232/422/485 Converter   2.4GHz   200meter (insight distance)

Contact us

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