Model ATC-3200
Zigbee to RS232/422/485 Converter

Introduction

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.

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

  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

Hardware Description

1. RS-232 Pinout：（DB9 Male）

（DB9Male）	Signal	I/O
PIN2	RXD	IN
PIN3	TXD	OUT
PIN5	GND	-

2. RS-422/485 Pinout： （six Terminal from left）

Terminal No	1	2	3	4	5	6
RS-422	T+	T-	R+	R-	VIN	GND
RS-485	485+	485-	-	-	VIN	GND

3. Power Supply

ATC-3200 Zigbee converter can adopt the product's 9V power adapter for power supply or adopt power from other DC power or device.(+9--+24V@500-100mA)

4. ATC-3200 LED indication

SET ⎯ Indication Zigbee Link，yellow on Zigbee Link established

LINK ⎯ Data Sending/Receiving between Serial and the Zigbee

PWR ⎯ Indication Power

Applications

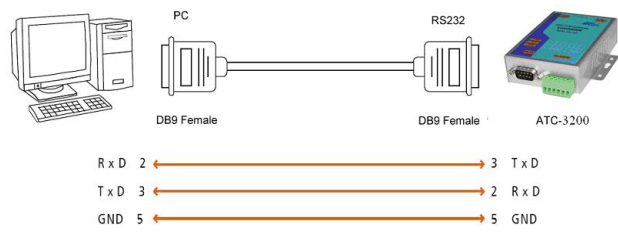 Wireless remote control

 Building automation
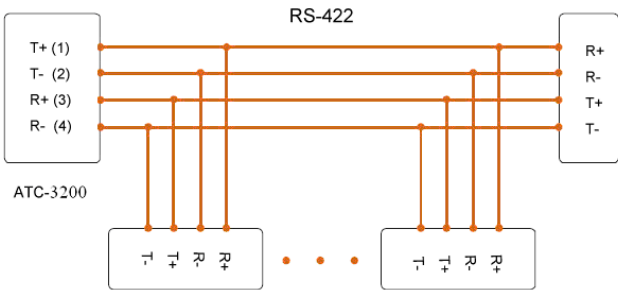
 Personal area network

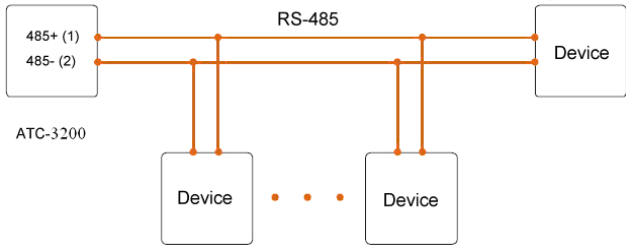 Industrial control

 OEM equipment

 PC peripherals

RS-232 Connection

R x D	2	←→	3	T x D
T x D	3	←→	2	R x D
GND	5	←→	5	GND

RS-422 Connection

RS-485 Connection

Made in China