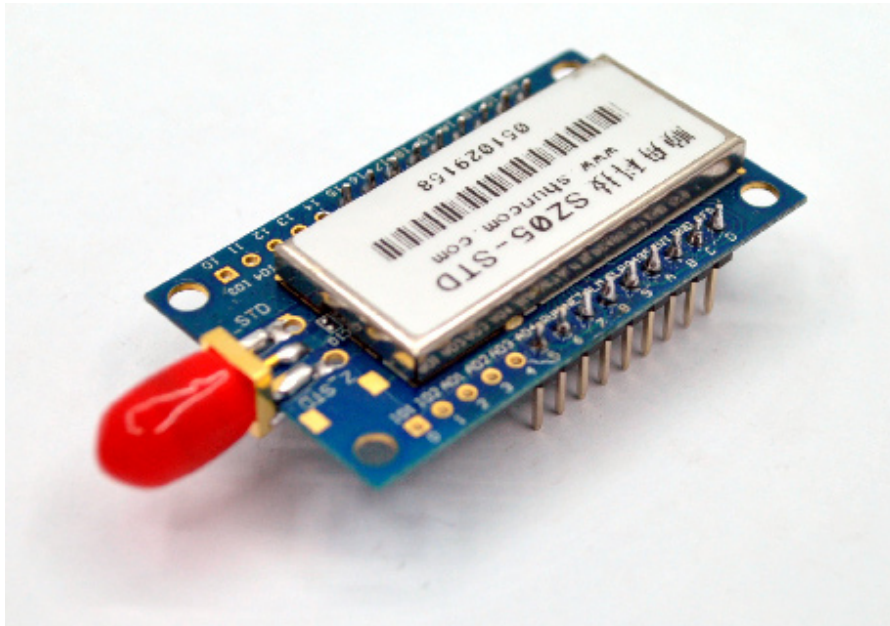


Zigbee Module

(200 meters)

Hardware Manual Rev 1r0



Extended range Zigbee module with external rubberized antenna (included with the kit). Line of sight control distance of up to 200meters. TTL and RS232C level serial interface. User configurable operating parameters.

FEATURES

Main Description: There are RS232, 485, TTL interface with wireless Z-BEE's conversion, wireless ZIGBEE
For group network communication;

Wireless powerful: with relay route and terminal equipment;

Communication distance: maximum transmission distance of 2000 meters line of sight;

Anti-interference ability: 2.4G DSSS spread spectrum technology;

Serial Application flexibility: transparent mode or command format for transmission, the maximum baud rate of 115200;

Flexible transmit mode: transmit or broadcast destination address to send mode selectable;

Flexible node types: the central node, routing nodes, terminal nodes can be arbitrarily set;

Networking ability: Star network, tree network, chain network, mesh network;

Greater network capacity: 16-channel selectable, 65535 Network ID can be set

MAJOR COMPONENTS PRESENTATION

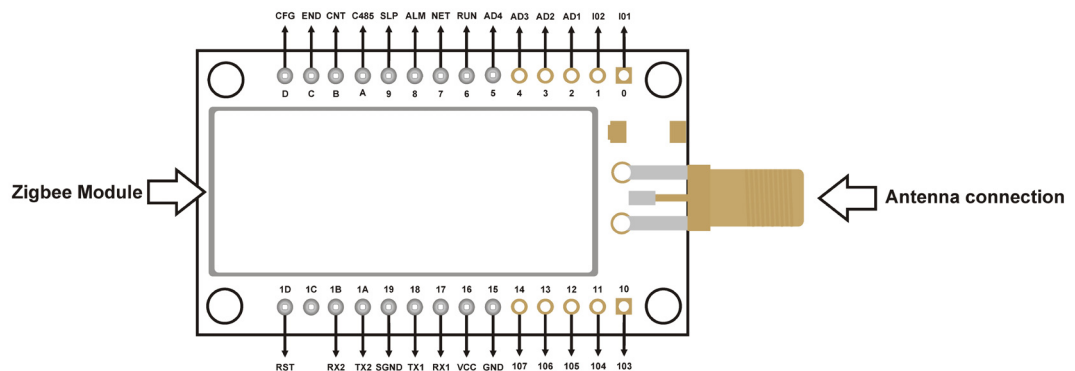


Figure 1. Zigbee module Major Components Illustration
(Top View)

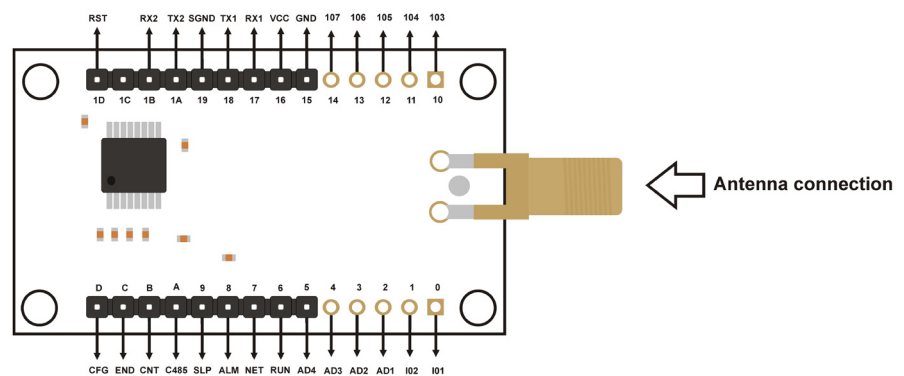


Figure 1. Zigbee module Major Components Illustration
(Bottom View)

PIN ASSIGNMENTS

Sort	Pin I.D.	Function	Remarks
1	I01	-	-
2	I02	-	-
3	AD1	-	-
4	AD2	-	-
5	AD3	-	-
6	AD4	-	-
7	RUN	Run	LED
8	NET	Network	LED
9	ALM	Alarm	LED
10	SLP	Sleep	Active Low
A	C485	Air	-
B	CNT	Reserved for I/O	-
C	END	Reserved for I/O	-
D	CFG	Configuration control	Active Low
10	I03	-	-
11	I04	-	-
12	I05	-	-
13	I06	-	-
14	I07	-	-
15	GND	Power To	-
16	VCC	Power Is	5V
17	RX1	TTL Level	Access the user TX
18	TX1	TTL Level	Access the user RX
19	SGND	RS232 signal to	-
1A	TX2	RS232/RS485	Access the user RX / A
1B	RX2	RS232/RS485	Access the user TX / B
1C		Advance	Reserved Pins
1D	RST	Complex	Low level

SZ05-ZBEE wireless communication module provides standard RS232, RS485 and TTL transceivers three interface standards. RS232 serial port for the TX2, RX2, GND three-wire mode; RS485 serial port for the TX2 (A +), RX2 (B-) two-wire mode; TTL for the TX1, RX1 two wire mode, TTL level is 3.3V.

Note: The modules 232 and 485 both can only choose one