

repeat transmitting functions, it will improve the reliability and ability of wireless network communication.

4) Choice of antenna

Antenna is an very important element of the communication system. The quality of antenna impacts the capability of communication system. So user should think more about the quality of antenna. Generally speaking, it mainly contains two points : the kind of antenna (size) and its electric capability. The antenna must be matched with the frequency of communication system.

Specifications

The technical specifications of APC230-43:	
Work frequency	418MHz to 455MHz
Modulation	GFSK
Frequency interval	200KHz
Transmitted power	100mw (10 levels)
Received sensitivity	-117dBm@9600bps
Air rate	2400 - 19200bps
UART rate	1200 - 57600bps
The parity of series COM	8E1/8N1/8O1
The buffer of COM	256bytes
Humidity	10%~90%
Temperature	-30℃ - 85℃
Supply voltage	3.5 – 5.5V (the ripple is ±50mV)
Transmit current	≦ 100mA@100mW
Receiving current	≦ 32mA
Sleeping current	≦ 5uA
Transfers distance	2000m (open space)
Dimension	39.5mm x 18.3mm x 7.0mm