

Operation Description

The RF module is CW6611A. This compact module is a solution for Bluetooth technologies. The reference frequency is 26MHz by a crystal oscillator.

Parameters:

1. Material: ABS
2. Battery: Lithium Polymer
3. Battery capacity: 230MAH 3.7V
4. Speaker: D27MM
5. Loudspeaker output: 3W; 4Ω
6. Frequency Response: 130-20KHZ
7. SNR: $\geq 85 \pm 3\text{DB}$
8. Bluetooth Version: 4.2
9. Operation Range: 10M
10. Playback time: 3 H
11. Charging voltage: DC 5V
12. Charging time: 1.5H
13. Net weight: 33G
14. Bluetooth solution: CW6611A

The Micro USB port is for charging only and don't support data transfer function from PC.

RF SPECIFICATION:

Frequency Range:	2400 MHz to 2483.5 MHz
Bluetooth Version:	Bluetooth V4.2(Single mode, not support BLE)
Geo-location Capability:	Not Support
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Type of Modulation:	GFSK, $\pi/4$ DQPSK, 8DPSK
Number of Channels:	79
Channel Separation:	1 MHz
Hopping Channel Type:	Adaptive Frequency Hopping Systems
Antenna Type:	Integral Antenna
Antenna Gain:	1.2 dBi
Maximum conducted peak output power:	0.5 dBm