

Operation Description

This Bluetooth keyboard gets power from 3.7V 320mA Lithium Battery. Through PJ1134B 332M2 to converted 3.3V to supply power for main IC chip BCM2042.

The main keyboard IC is BCM2042, and the ID code is stored in EEPROM (M24C128).

The working frequency of Bluetooth IC BCM2042 is 24MHz, and there are 79 channels in 2 groups hopping channels from 2.4GHz to 2.4835GHz. Compliant Bluetooth Specification 2.0

There are three modes when the keyboard is in function, normal mode, idle mode and sleep mode. In normal mode, the power is not higher than 3.7V 3mA. When it is not in use for 1 seconds, it changes to idle mode, and the power is not higher than 3.7V 1mA. After 2 hours in idle mode, it changes to sleep mode, and the power is not higher than 3.7V 20uA.

Modulation Type: FHSS

Operational Frequency Range: 2402-2480MHz

Input Voltage: DC3.7V

Antenna: PCB Printed Antenna with gain 1.49dBi