

# Operational Description

## Product Description

This product integrated a Bluetooth chipset to support the Bluetooth function that allows users to use it as a Keyboard.

### The brief introduction of the circuit

1. IC U1 is BT3GMD-B47P Bluetooth chipset. 24MHz crystal, DC/DC, balun and other components and the Bluetooth signal is transmitted and received through the antenna system consists of the copper antenna. The bluetooth Chip U1, the working frequency is 2402-2480 MHz, 79 channels. The master crystal frequency is 24 MHz. 20730 module is a human-computer interface device module, the compatible with Bluetooth 3.0 protocol . It can provide as many as 48 IO mouth support and apply Bluetooth service to mouse/keyboard device perfectly. The core chip of the module is BCM20730(Broadcom).
2. This device by built-in 3.7V 450mAh lithium battery power, when battery power is insufficient, external DC 5V power by MICRO USB interface entered, DC5V by charging management IC 4054 (U3), the red indicator charging lamp (LED1) will be lighting when it's charging, after finishing, charging lamp (LED1) off.
- The mini USB of this device contains five pins. Only two pins which are used for charging is ability to function. Other three pins are suspended. There is no address information confirmation,it is used for charging only.
- 3 . IC LDO 2P8V (U2) is Booster, which output steady DC voltage.