Operational Description

Product Description

This product integrated a 2.4GHz RF chipset to support the RF function that allows users to use it as a Keyboard and Mouse.

The brief introduction of the circuit

The microcontroller scans film circuit and a fixed time polling optical IC, the scanner signal and to the sensed signal is sent to the RF IC to do carrier actions then carrier signal is sent to the air via an antenna.

1. U1 is the micro central processor to handle the key signal, check the optical sensing IC signal and two After the combination of the two signals sent to the RF IC.

2. U2 is a radio frequency IC responsible U1 sent the signal is demodulated into a high-frequency signal via the antenna is sent into the air. The working frequency is 2403-2469 MHz, 12 channels. The master crystal frequency is 16 MHz.

3. This device by 2 AA batteries battery power, when battery power is insufficient, external DC 5V power by MICRO USB interface entered, DC5V by charging management IC LS2533 (U5), the red indicator charging lamp (D4) will be continuous flicker when it’s charging, after finishing, charging lamp (D4) continuous lighting.

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.

4 . IC TB88-27 (U3) and IC ACE301-2.2V (U6) is Booster, which outpu steady DC voltage.