

Applicant: Eastern Times Technology Co., Ltd.

FCC ID: TUVDS-2292F

Operation Description

The mouse composed of (DC-DC) U5, Optical move detection part (SENSOR) U4, MCU & RF two-in-one part U1 and information storage U2.

It uses two pieces AAA dry cell, U5 provide a stable 3 voltage for the whole system and ensure it work normal.

U4 is the only one chipset in circuit, it use for detect the movement speed and direction of mouse on table, the move speed and direction will be encode to data and send to U1. It also controlled by U1. It makes mouse sleeping, working and awaking.

12MHZ' clock is formed with X1 crystal oscillator and the inner circuit of U1, it use for inner RF system.

32.768KHZ's clock is formed with X2 crystal oscillator and the inner circuit of U1, it use for inner clock system

The detection movement will be encoded to data by U1, After internal processing of U1, such as modulation and amplifying circuit, data output from U1'62PIN finally, then launch to the air after it match with C16, C31.

Antenna is formed by a copper trace on the PCB. Common grounding on PCB is not connected to real external ground. Power supply is DC 3V by two "AAA" batteries.