

Wireless 2.4G MOUSE household or office use

A. Working Principle

1. MOUSE emitting parts composition and role

A5030 is a optical IC, it can catch subtle changes in the desk through taking photo. And through lots data analysis, analyze mouse displacement changes. Then through parallel port, transmit data to control IC through XA、XB、YA、YB which are four paralleled data line.

SN8P26L34 is a controlled processed IC. It can identify the position signal, press trigger and scroll information of the wheel from optical IC through procedure control.

B. Antenna Spec.: PCB antenna and matched capacitor comprised the resonance circuit that the resonance is in 12.00MHz. Antenna Gain 1.5dBi Maximum

C. Modulation: FSK

D. Technical Spec.:

a. MOUSE

Working frequency	2.402-2.480 GHz
Deviation:	1MHz
RF output Power	0dBm
Modulation method	FSK
Input Voltage	1.5V (1pcs AAA Battery)
Current Dissipation	< 30 mA
Current Dissipation	< 3 mA
Sleeping Mode Current	< 45UA
Transmitting Angle	360°
Wake / Moving UP Mode	Button Wake UP
Working Distance	10Meters @Free Space
Operation mode into Idle mode consume time	Around 1 Sec
Operation mode into Sleep mode consume time	Around 9 Sec
Tracking Resolution	800 DPI Optical Type
Button Number	3Key
Channel Number	79