Wireless 2.4G KEYBOARD household or office use

A. Working Principle

1. KEYBOARD emitting parts composition and role

TLSR8568 is a controlled processed KEYBOARD IC. It can identify the position signal, press trigger and scroll information of the wheel from optical IC through procedure control.

2. Receiving parts composition and role

TLSR8568 is a SCM controlled IC, TLSR8568's working is realized through procedure running process

As long as writing a USB or PS2 procedure, the mouse can be connected to the computer, TLSR8568 can transmit data with computer now. In this way, every operation of KEYBOARD can be told to computer through TLSR8568 running procedure. Computer will operate as human's requirement. And kinds of operation will be displayed on the screen. Finally, human and computer talks!

3. RF module is a emitting and receiving signal module

B. Antenna Spec.：PCB antenna and matched capacitor comprised the resonance circuit that the resonance is in 16.00MHz

C. Modulation: GFSK

D. Technical Spec.：

a. KEYBOARD

Working frequency	2.4 GHz
RF output Power	0dBm
Modulation method	GFSK
Voltage requirements	1.5V
Min. Operation Voltage	1.0V
Max. Operation Voltage	1.6V
Current Dissipation	< 15 mA
Current Dissipation	< 3 mA
Sleeping Mode Current	< 45UA
Transmitting Angle	360□
Wake / Moving UP Mode	Button Wake UP
Working Distance	8Meters @Free Space

Operation mode into Idle mode consume time	Around 1 Sec
Operation mode into Sleep mode consume time	Around 8 Min