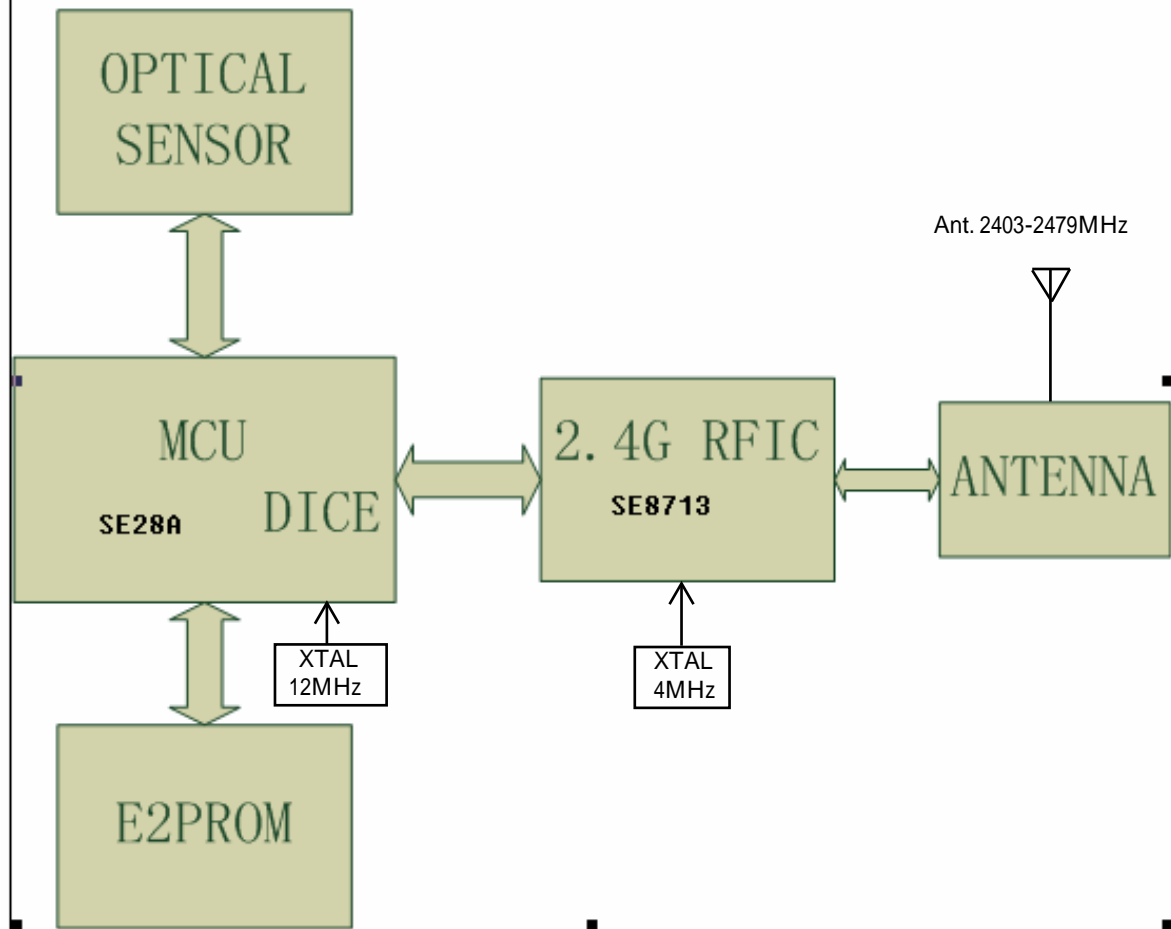


鼠标功能框图



Operational Principle

1. CPU,EM28A have an 8-bit microprocessor with low-power and high-speed CMOS technology. Operation frequency is 4MHz.It needs an external 12MHz crystal for reference frequency;this crystal is also used for RF module.This chip is responsible to control RF-Baseband Transceiver(198810).
2. E2PROM,24C02,2048 bits of serial electrically erasable and programmable read_only memory(EEPROM) organized as 256 words of 8 bits each.The device is optimized for use in many industrial and commercial applications where low-power operation are essential.
3. 2.4 GHz ISM Band Transceiver/Framer,EM8713 which is a low-cost,fully integrated CMOS radio frequency(RF) transceiver block,combined with a 64-byte buffered framer block.It contains transmit,receive,VCO and PLL functions,including an on-chip channel filter and resonator.
4. OPTICAL SENSOR,with DSP integration chip that serves as a non-mechanical motion estimation engine for implementing a computer wireless mouse.
5. ANTENNA, The antenna is typically fed from the end of the monopole section by a plated through-hole via which is in turn connected to the RF output on the 2.4GHz band.

RF 產品(m/k/r)之規格表

1. 產品名稱 无线鼠标 . 型號 SR-8309
2. 電源輸入值 DC 3 V, 23 mA;
3. Frequency Band: 2.4GHz ISM band
Carrier Frequency: 2402~2480 MHz
4. Number of Channel: 39 channels
5. Channel Spacing: 2MHz
6. RF Output Power (ERP or EIRP) : 0 dB
7. Modulation Type: GFSK
8. Mode of operation (duplex, simplex, half duplex) : half duplex
9. Bit Rate of Transmission: 1Mbps
10. Antenna Type: integral Antenna
11. Antenna gain: 2.42 dBi
12. Operating Temperature Range: -40~85 °C
13. Hopping Type: 16 frequency, Active Hopping
14. Air-protocol length: 14~26 Bytes
15. ID:Length=32bit
16. Bandwidth: 1MHz _
17. RF output Power: +1dBm
18. Transceiver Distance: 10m
19. Mouse MCU Oscillator : 4MHz
20. I.F: 5 KHz L.O: 2737.142 MHz