

Operation Description

Operation Frequency: 2410-2470MHz

Modulation Type: MSK

The Wireless game controllers use mcu mp01010, it is a High performance, low cost, 8-bit MCU.

Devises power management unit (PMU) is comment voltage regulator with voltage step-up and step-down function for power saving. (adding for charging)

The systems have analog keys, gyroscopes and acceleration sensors, which singles count and sent to 2.4G module through AD converted.

RF Module :

The RF Module is based on Chipcon single chip named the cc2500, which the world wide 2.4GHz ISM band.

The cc2500 completly integrated 2.4 GHz radio transmitter, an RF synthesizer, including unique Enhanced Shock BurstTM hardware link layer integrity of the base-band logic, advanced power management components and one for host control the high-speed interface SPI. Cc2500 have an external loop filter, resonator and VCO modulation diodes, only need for configuring a low-cost ± 60 ppm 26MHz crystal oscillator, matching circuit and antenna.