

Operation Description

MC9S08JM60, U9, which is the Microcontroller and provide low-cost, high-performance with 60KB Flash of the chip, and it doesn't have to work with special voltage. A 12 MHz Crystal(X5) is used for reference. CYRF6936, U10, which is the main RF IC, it provides a complete Wireless USB SPI to antenna wireless modes. The CYRF6936 IC adds a range of enhanced features, including increased operating voltage range, reduced supply current in all operating modes, higher data rate options, and reduced crystal start up, synthesizer settling and link turnaround times. In addition, the DC Voltage is supplied from Host system. And the power rating is I/P AC 120V/60Hz, O/P DC 5V. A 12 MHz Crystal (X4) is used for reference also.

Printed antenna is used with antenna gain 2.50 dBi, operating frequency is 2402~2480 MHz.

Technical Summary

2.4GHz wireless communication technique

Laser technique

Mouse DPI change(800-6400)

Low power consumption

Wired and wireless combo

With battery charge circuit

High polling rate(1000)

Charge dock with blue background

Charge cable lock technique