

circuit description

This keyboard use 3.7V Battery as Power source. Power Device will control the power source to supply for all component. It will provide the stable output power for device.

Touchpad Sensor will sense the user finger movement and send out the data to MCU. The Touchpad use the SPI interface to link with MCU.

Keyboard MCU will detect the Key Matrix scan code when user press the keyboard any key. And MCU (U5) will receive the Trackball sensor sent out data to decide the end user move the location for the cursor.

Keyboard MCU use the 2.4G wireless to connect with Receiver. When PC receive the Keyboard Scan code. Then PC will decode the Scan code and know end user press the what key.