

# Operation Description

This product adopts the ROCKCHIPS RK2918 processor with the maximum running speed of up to 816MHz, built-in 512MB flash to run program, with optional 2GB/4GB/8GB/16GB/32GB and TF expansion interface which can support max 32GB TF card.

It is 8 inches 800\*600 LCD to display the operation interface and playing the video, it is resistance touch screen which is easy to operate. man-machine interface design.

It is built in one IC to manage charging a lithium ion polymer battery, charged by DC-IN interface.

It is built-in Wi-Fi module, it can connect to the Internet.

It is built in 3.5MM earphone interface, audio file will be decoded by CPU then converted to audio analogue signal by audio IC, finally output voice by earphone or built-in speaker.

It comes with a USB port connects to a computer, an OTG socket to be used in connection with USB devices.

## Operation description for wireless combo module with WiFi and Bluetooth

The combo module for IEEE 802.11 b/g Wireless LAN with Bluetooth 2.1 + EDR at embedded and mobile applications. It is based on Broadcom BCM4329 solution which comprises single chip IEEE 802.11 b/g MAC/Baseband/Radio with integrated Bluetooth 2.1 + EDR.

**WiFi:** There are 11 channels in Wireless Wi-Fi. This device provides four kinds of RF receiver sensitivity and transmitting modulation accuracy of 1, 2, 5.5 and 11Mbps in 802.11b mode, the modulation of device is BPSK, QPSK and CCK (IEEE 802.11b) and eight kinds of transmit modulation accuracy 6, 9, 12, 18, 24, 36, 48 and 54Mbps are provided, the technology of this device used is OFDM(IEEE 802.11g). The device adapts direct sequence spread spectrum modulation. This Wireless Wi-Fi, compliant with IEEE 802.11b and IEEE 802.11g, is a high-efficiency Wireless LAN adapter. It allows your computer to connect to a wireless network and to share resources, such as files or printers without being bound to the network wires. Operation in 2.4GHz Direct Sequence Spread Spectrum (DSSS) radio transmission. In addition, its standard compliance ensures that it can communicate with any IEEE 802.11b and IEEE 802.11g network.

**Bluetooth:** The Wireless Bluetooth module is a built-in 2.4GHz Bluetooth Ver. 2.1+EDR transmitter. The number of the channels is 79 in 2402-2480MHz. The device adapts the frequency hopping spread spectrum modulation. This device provides wireless technology that revolutionizes personal connectivity. It is the solution for the seamless integration of Bluetooth technology into personal computer enabling short-range wireless connections between desktop/laptop computers, Bluetooth-enabled peripherals, and portable handheld devices.