

Operation Description

Product: MINI-PC

Modulation: WiFi

Frequency range:2.4GHz

- 1. The Adapter convert 110-240V AC to 12V DC for ATX power**
- 2. The ATX POWER convert 12V DC to varied voltage for main board**
- 3. The HDD controlled by main board using SATA wire and it's function is storage data in long time**
- 4. The RAM controlled by main board using BUS wire and it's function is storage data in temporary**
- 5. The WiFi module controlled by main board using USB wire and it's function is to connect wireless internet**
- 6. The USB PORT is the extend of main board USB Header**
- 7. The PW BUTTON is used to control Power on/off of Mini PC, as well as to indicate the power state by LED.**

8. WiFi internal operating principle:

RT3070 is main control chip that connect and do data communication with motherboard by USB port.

RT6681 is data transmission module (PA) , controlled by RT3070, sending data .

Single Pole Double Throw (SPDT) that controlled by RT3070 open the corresponding channel according to the order of sending data to receiving data. If sending data, the signal is transmit through RT6681;If receiving data, fulfill through connecting with RT3070 . The other end of SPDT connects with 2.4G Antenna in order to send and receive signals.

LDOF is low dropout power converters, which change the voltage of USB from 5v to 3v .It supply power to RT3070 and RT6681.