

Operation description

1. When input is digital signal: Bridge module DM870 receive the signal from radio frequency (2.4~2.4835GHz), the apple certificate IC MFI341S2164 will validate the signal to decide pass or hold up. MCU LM35800 is the main control module, it sends the signal to audio DSP CS48520CQZ for analyze and then send it to power amplification IC TAS5710.
2. When the input is analog signal, the analog signal will send to ADC (PCM1808) for analog/digital change, and then send to DSP cs48520CQZ for audio analyze and to IC TAS5710 for power amplification.
3. Power: output of the external power source is 18V, the voltage will change to 5V through CJ78L05 and change to 3.3V or 1.2V through TAS54286, the 3.3V will change to 1.8V through LDO(LM1117-1.8).
4. Update board is for MCU to update version.
5. Keyboard is for control the product ON/reset/WPS.
6. LED light indicates the working status of product.