The principle diagram explain

1．Power supply：

   DC3.3V, Supply RTL8185 and PA power supply, Then by CYT6218-1.8V conversion for DC 1.8 , Supply RTL8225 IC Crystal power supply.

2. Crystal:

   By 40.000MHZ Crystal engender clock signal, Supply RTL8185L and RTL8225 chip.C80 and C81use frequency of adjust.

3. MAC-Base band:

   The Realtek RTL8185L is Wireless LAN network interface controller that integrates a LAN MAC, and a Direct Sequence Spread Spectrum/OFDM base band processor onto one chip. It provides high speed, and full speed (12Mbps), and supports 4 endpoints for transfer pipes. To reduce protocol overhead, the RTL8185L supports Short Inter Frame Space (SIFS) burst mode to send packets back-to-back. A protection mechanism prevents collisions among 802.11b nodes. The RTL8185L fully complies with IEEE 802.11a/b/g specifications.

4. transceiver:

   The RTL8225/RTL8225-VF is a fully integrated RF transceiver for IEEE Wireless LAN standards 02.11b, and 802.11g. Uses a direct conversion / zero-IF architecture to limit the number of required active blocks and especially avoid external, cumbersome, IF band pass SAW filters for channel selection.

5. 2.4Ghz power amplifier:

   The SE2527L is a 2.4 GHz power amplifier designed for use in the 2.4 GHz ISM band for wireless LAN applications. The device incorporates a power detector for closed loop monitoring of the output power.

6. LED indicate:

   THE LED Use of ACK/LINK appearance indicate .While searching wireless network signal and carrying on receiving and send with blast-off, it means with the different appearance.

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