

Circuit Description

Each module specification

The ethernet connect: RJ45 electric outlet, connect the ethernet RJ45 plug, called crystal head.

Network transformer: 1:1 transformer, used for insulating direct current signal and exchanges signal through network.

SR3211UB: Ethernet WiFi adapter control chip, Used for receiving the data of ethernet format, and transfer to WiFi format, then transmit to send out by WiFi module; meanwhile receive WiFi format received by WiFi module, transfer to Ethernet format, then send out via Ethernet through network transformer.

25 MHz crystal : driven by the control of SR3211 UB to bring 25MHz clock signal.

Indicator and key: The LED indicator used for showing the working situation of ethernet and WiFi module ,The key used for reset.

WiFi module: Receive wireless signal of WiFi, and convert to WiFi format, then send out after transfer the WiFi format to WiFi wireless signal

5 V direct current power supply connect: Electric outlet used for connecting 5 V direct current electric voltage.

5 V turns to 3.3 V steady press electric circuit: Used for transform 5 V electric voltage to 3.3 V direct current electric voltage, in order to accommodate SR3211 UB work.