

W316R operation description:

1. CPU: U1, The BCM5356KFBG Broadcom's 802.11n compliant 1T1R MAC/BBP/2.4G ISM band Transceiver , a high performance 384MHz MIPS24KEc CPU core, 5-port integrated 10/100 Ethernet switch/PHY; An 25MHz-20PPM-10PF-49S crystal(Y1) for CPU'S reference frequency;

Operational Principle:

2. SDRAM: U8 EM638165TS-6G is a high-speed synchronous dynamic random access memory (SDRAM), organized as 2M words $\times$ 4 banks $\times$ 16 bits.

3. FLASH: U9 W25Q16BVSSIG 2M Byte FLASH, used for store firmware and user's setting;

4. PA:Inside OF CPU;

5. RF Switch: GW1179 (U7)

6. Power Part: U5 CP2894CA/CAT7105, used for transfer DC.

Operation Frequency Range 802.11b/g/n (HT20): 2412-2462MHz, 802.11n(HT40): 2422-2452MHz

WIFI Modulation: OFDM, DSSS, DBPSK, DQPSK, CCK, 16QAM, 64QAM