

Operational Des.

This device is backward compatible with 802.11n and 802.11b/g standards. It uses the powerful MIMO (Multiple-In, Multiple-Out) technology which has further coverage, less dead spots and higher throughput. In addition, it supports higher data throughput than the IEEE 802.11g standard (up to 150Mbps). It allows your computer to connect to a wireless network and to share resources, such as files or printers without being bound to the network wires. Operation in 2.4GHz Direct Sequence Spread Spectrum (DSSS) radio transmission, the Wireless USB adapter Wired Equivalent Protection (WEP) algorithm is used. In addition, its standard compliance ensures that it can communicate with any IEEE 802.11b and IEEE 802.11g network.

Part numbers of RF chipset: RTL8188CUS

Manufacturer names of RF chipset: Realtek

BOM lists of RF module:

Description
RES-SMD 0402 1/10W 24K +/-5% 翰宇电子:WR04X243JTL
RES-SMD 0402 1/10W 100K +/-5% 翰宇电子:WR04X104JTL
CCAP-SMD 0402 0.5pF 50V +/-0.25pF COG Murata:GRM1555C1H0R5C
CCAP-SMD 0402 1pF 50V +/-0.25pF COG Murata:GRM1555C1H1R0C
CCAP-SMD 0402 1.2pF 50V +/-0.25pF COG Murata:GRM1555C1H1R2C
CCAP-SMD 0402 3.9pF 50V +/-0.25pF COG Murata:GRM1555C1H3R9C
CCAP-SMD 0402 10pF 50V +/-0.5pF COG Murata:GRM1555C1H100C
CCAP-SMD 0402 22pF 50V +/-5% COG Murata:GRM1555C1H220C
CCAP-SMD 0402 100pF 50V +/-5% COG Murata:GRM1555C1H101C
CCAP-SMD 0402 0.1uF 50V +/-10% COG Murata:GRM155R71C104K
CCAP-SMD 0402 1uF 50V +/-20% COG Murata:GRM155R71C105K
CCAP-SMD 0603 10uF 6.3V +/-5% X5R Murata:GRM188R60J106K
RF Induc-SMD 0402 1.8nH 300mA +/-0.3nH Murata:LQG15HS1N8S02D
RF Induc-SMD 0402 2.2nH 300mA +/-0.3nH Murata:LQG15HS2N2S02D
RF Induc-SMD 0402 2.7nH 300mA +/-0.3nH Murata:LQG15HS2N7S02D
RF Induc-SMD 0402 10nH 300mA +/-0.3nH Murata:LQG15HS10NS02D
Power Induc-SMD 2012 4.7uH 800mA 2012 2.0*1.25*0.9 Sunlord:MPL2012S4R7MHT
Crystal-SMD 40MHz CL=15pF 15ppM LF 3225 Siward:XTL571100-A98-053
IC Smart MAC/BBP/RF controller, RTL8188CUS QFN46
PCB RL-UM02BS V1.0 4L FR4 ROHS GOLD 12.2*12.8 卓创通