

# SWUR102G

## 802.11b/g USB Module

### Ralink RT2571W

#### FEATURES & BENEFITS

##### RoHS Compliant

- Operates in the 2.4GHz, Backward Compatible in a 802.11b environment
- Wireless link speeds up to 54Mbps; 5 times faster than 802.11b devices.
- 64/128-bit WEP Encryption, WPA, WPA2, 802.1x
- Support Windows Vista/XP/2000, Linux driver



**Type 2: Only include 4 Pin Connector**

#### Comment Guide

|        |  |
|--------|--|
| Type 1 | a. USB Type-A<br>b. I-PEX Connector      |
| Type 2 | a. 4 PIN Connector<br>b. I-PEX Connector |

| Chipset - RT2501U          |   |                              |
|----------------------------|---|------------------------------|
| Mac/BB Processor           | Ralink RT2571WF   |                              |
| RF Chip                    | Ralink RT2528   |                              |
| Host Interface             |   |                              |
| USB type A or 4 Pin Header |   |                              |
| LEDs                       |   |                              |
| Link/Activity              |   |                              |
| Radio                      |   |                              |
| Antenna                    | I-PEX(UFL) connector  |                              |
| Operating Frequency        | 2.412~ 2.4835GHz ISM Band   |                              |
| Modulation                 | IEEE 802.11b : (DSSS)<br>5.5/11 Mbps(CCK),<br>■ 2 Mbps(DQPSK),<br>■ 1 Mbps(DBPSK)                                       |                              |
|                            | IEEE 802.11g : (OFDM/DSSS)<br>■ 48/54 Mbps(QAM-64),<br>■ 24/36 Mbps(QAM-16),<br>■ 12/18 Mbps(QPSK),<br>■ 6/9Mbps (BPSK) |                              |
| Transmit Power             | ■802.11b: 17± 1dBm<br>■802.11g: 13± 1dBm  |                              |
| Receive Sensitivity        | 802.11g : -70dBm @54Mbps  |                              |
|                            | 802.11b : -83dBm @11Mbps  |                              |
| Power consumption          | ■ Idle TX: 190mA<br>■ 802.11b@11Mbps Continue TX:450mA<br>■ 802.11g@54Mbps Continue TX :390mA                           |                              |
| Environmental              |   |                              |
|                            | Temperature   | Humidity                     |
| Operating                  | 0 ~ 55°C  | 10% to 85%<br>Non-Condensing |
| Storage                    | -20 ~ 65°C  | 5% to 90%<br>Non-Condensing  |
| Operating Voltage          | DC 5V ± 5%  |                              |
| Physical Specification     |   |                              |
| Dimensions                 | 60x25x20 mm   |                              |
| Weight                     | 30g   |                              |
| Software                   |   |                              |
| Driver                     | ■ Windows 2000/XP/Vista<br>■ Linux  |                              |
| Security                   | ■ 64/128-Bit WEP Key,<br>■ WPA(TKIP with IEEE802.1x)<br>■ WPA2(AES with 802.1x)   |                              |