



Dual band 2.4GHz/ 5GHz wireless Module

SL-D001A *Specification*



Latest 802.11a Wi-Fi Technology

SL-D001 is an 802.11n Wi-Fi USB module, which is backward compatible with 802.11a/b/g standard. With advanced 2T2R MIMO technology, SL-D001 delivers ultimate wireless data rate for up to 300Mbps. It is designed properly for any wireless enabled devices with standard USB 2.0 Type A.

Secure Wireless Connection

SL-D001 also features advanced WEP encryption, WPA, and WPA2 to help to protect data over wireless communication without sacrificing the performance.

Feature

- Chipsets: Ralink RT3572
- Compliant with 802.11a Band standard
- Interface: USB 2.0
- Antenna: Integrated
- Speeds up to 300Mbps
- Advanced security: 64/128-bits WEP, WPA, WPA2
- Support Windows 2000/ XP/Win CE/ Vista/ Win7, Linux, MAC

Specifications

Standard	802.11a/b/g/n
Chipset	Mac/BB/RF Ralink RT3572
Operating Frequency	802.11a ISM Band: 5.745 ~ 5.825GHz 802.11g ISM Band: 2.412 ~ 2.462GHz
Modulation	802.11b: DSSS (DBPSK, DQPSK, CCK) 802.11a/g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) 802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
Output Power(max.)	802.11a: 10.0dBm @54Mbps 802.11b: 10.0dBm @11Mbps 802.11g: 10.0dBm @54Mbps 802.11an HT20: 10.0dBm @MCS7 802.11an HT40: 10.0dBm @MCS7 802.11gn HT20: 10.0dBm @MCS7 80.211gn HT20: 10.0 @MCS7
Receive Sensitivity	802.11a: -72dBm \pm 2dBm@54Mbps 802.11b: -86dBm \pm 2dBm@11Mbps 802.11g: -72dBm \pm 2dBm@54Mbps 802.11an HT20: -68dBm \pm 2dBm@MCS7 802.11an HT40 : -65dBm \pm 2dBm@MCS7 802.11gn HT20: -68dBm \pm 2dBm@MCS7 802.11gn HT40 : -65dBm \pm 2dBm@MCS7
Power consumption	Continue TX Max 400mA@2TX Continue RX Max 250mA@2RX
Operating Voltage	DC 5V \pm 10%
Environmental	Temperature Range 0 ~ 60°C (Operating) -20 ~ 70°C (Storing) Humidity (Non-Condensing) 5 ~ 90% (Operating) 5 ~ 95% (Storing)
Software	Driver Windows 2000/XP/ WinCE/ Vista,/ Win7, Linux, MAC Security 64/128-bits WEP, WPA, WPA2

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the

interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

IMPORTANT NOTE:

This module is intended for OEM integrator. The OEM integrator is still responsible for the FCC compliance requirement of the end product, which integrates this module. Due to missing shielding the module is strictly limited to integration by the Grantee himself or his dedicated OEM Integrator.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

USER MANUAL OF THE END PRODUCT:

In the user manual of the end product, the end user has to be informed that the equipment complies with FCC radio-frequency exposure guidelines set forth for an uncontrolled environment.

The end user has to also be informed that any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

If the size of the end product is smaller than 8x10cm, then additional FCC part 15.19 statement is required to be available in the user manual: This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

LABEL OF THE END PRODUCT:

The final end product must be labeled in a visible area with the following" Contains TX FCC ID: ZNPSLD001A

". If the size of the end product is larger than 8x10cm, then the following FCC part 15.19 statement has to also be available on the label: This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

CE Mark Warning

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.