

**WLAN+BT module adapter
Model number: WL18A
User Manual**

GENERAL

This device is the WLAN+BT module adapter IEEE802.11a/b/g/n/ac, dual band 2x2 Wi-Fi +Bluetooth® adapter.

Integration to the end product

1. WL18A module is mounted in the main board.
2. Insert Antenna unit into Antenna connectors of WL18A module.

Technical Specification

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|----------------------------|---------------------------|
| a) Dimensions (H x W x D): | 22mm x 30mm x 2.4mm |
| b) Weight: | 2.8g |
| c) IEEE WLAN Standard: | IEEE802.11a/b/g/n/ac |
| d) Bluetooth: | BDR, EDR, Low energy |
| e) Antenna Diversity: | Supported |
| f) Operating Temperature: | -10 to 50 degree Celsius |
| g) Humidity: | 30 to 80 %RH |
| h) Host interface: | USB2.0 and PCIe v2.1 Gen1 |

Regulatory Information

Federal Communications Commission Radio Frequency Interference Statement

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment may not be collocated or operated with any other antenna or transmitter.

This device meets the government's requirements for exposure to radio waves.

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless device employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.

* Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Caution: Exposure to Radio Frequency Radiation.

To comply with FCC RF exposure compliance requirements, a separation distance of at least 5mm must be maintained between the antenna of this device and all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Instructions to OEM Integrators

A User manual provided to the end user must indicate the operating requirements and conditions that must be observed to ensure compliance with the above-mentioned FCC RF Exposure guideline.

If this module is intended for use in a portable device, integrators are responsible for separate evaluation and/or approval to satisfy FCC RF Exposure requirements.

If other radio devices are to be integrated with this module, an additional evaluation and FCC submission may be required. Integrators are responsible for such additional evaluation and FCC submission.

The following information must be indicated on the host device of this module;

Model : WL18A

FCC ID : ACJ9TGWL18A

IC : 216H-CFWL18A