
Product Specification

Standard

802.11ac/b/g/n

Chipset

Mac/BB/RF MediaTek MT7612U

Host Interface

USB Type A or 12-pin wafer connector

Data Rates

802.11a: 6~54Mbps / 802.11b: 1~11Mbps / 802.11g: 6~54Mbps

802.11n: MCS0 ~ MCS15 / 802.11ac: MCS0 ~ MCS9

Radio

Antenna 2 x U.FL connectors or printed antenna, 2T2R

Operating Frequency

ac/n ISM Band: 5.150GHz ~ 5.850GHz

b/g/n ISM Band: 2.400GHz ~ 2.4835GHz

Modulation

802.11a: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)

802.11b: DSSS (DBPSK, DQPSK, CCK)

802.11g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)

802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)

802.11ac: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM)

Receive Sensitivity

802.11b: $\leq -76\text{dBm}@11\text{Mbps}$

802.11a: $\leq -65\text{dBm}@54\text{Mbps}$ /

802.11g: $\leq -65\text{dBm}@54\text{Mbps}$

802.11gn (HT20): $\leq -64\text{dBm}@MCS7$ /

802.11gn (HT40): $\leq -61\text{dBm}@MCS7$

802.11an (HT20): $\leq -64\text{dBm}@MCS7$ /

802.11an (HT40): $\leq -61\text{dBm}@MCS7$

802.11ac (VHT80): $\leq -51\text{dBm}@MCS9$

Operating Voltage

DC 5V /0.9A

Environmental

Temperature Range 0 ~ 40°C (Operating) / -10 ~ 70°C (Storing)

Humidity (Non-Condensing) 10% ~ 85% (Operating) / 5% ~ 90% (Storing)



Federal Communication Commission Interference Statement

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.

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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance **20cm** between the radiator & your body.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

Appropriate measurements (e.g. 15 B compliance) and if applicable additional equipment authorizations (e.g. Verification , Doc) of the host device to be addressed by the integrator/manufacture.

The user manual of the end product should include

1. the restriction of operating this device in indoor could void the user's authority to operate the equipment.
2. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.



LABEL OF THE END PRODUCT:

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

2AATH-WUBM273ACN ". The FCC part 15.19 statement below 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.