

## DATASHEET

### Wi-Fi Mini PCIe 11ac Module

# WS2433

## Mediatek MT7612E 2.4 5GHz



### Description

WS2433 is a Wi-Fi 11ac Mini PCIe Module based on Mediatek MT7612E which is a highly integrated single chip with 2.4 / 5GHz dual bands 802.11 a/b/g/n/ac and provides the highest PHY rate up to 867Mbps, offering feature-rich wireless connectivity and reliable throughput from an extended distance.

Optimized RF architecture and baseband algorithms provide superb performance and low power consumption. MT7612E integrates PA/LNA such that the number of the external components is reduced to minimum. Intelligent MAC design deploys a high efficient DMA engine and hardware data processing accelerators which offloads the host processor.

The MT7612E supports the 802.11i security standard and implements hardware acceleration for TKIP, CCMP and WAPI. The device also supports 802.11e QoS for video, voice, and multimedia applications.



### Features

- Built with proprietary power MMICs.
- 2.4GHz for reliable and demanding all IoT, POS, and Industrial PC applications.
- Compatible with wireless IEEE 802.11 ac/b/g/n standard with data rates up to 867Mbps
- Complies with wireless IEEE 802.11 ac/b/g/n standards
- Increases wireless coverage 6 times further\*
- Supports WMM, WMM-PS (IEEE 802.11e QoS standard)
- Supports 64/128-bit WEP, WPA (TKIP with 802.1x), WPA2 (AES with IEEE 802.1x) for high security level
- Operating system supports for: Windows 2000/XP/Vista, Windows 7/8/9/10, MAC 10.4.x and above & Linux, Android

**For more detailed information, please contact our sales team: [sales@asiarf.com](mailto:sales@asiarf.com) / +886 2 2940 7880**

