

## DATASHEET

Wi-Fi M.2 Module 2.4 / 5GHz  
 802.11ac/ a/b/g/n

# M27612-UAE-1

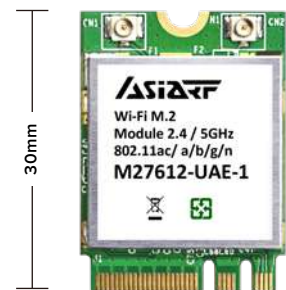


## Description

M27612-UAE-1 is a **Wi-Fi M.2 platform A E key Module USB signal** based on Mediatek MT7612U 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. MT7612U 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 MT7612U 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.



**M.2 A E KEY**

## Features

- Wi-Fi M.2 Platform A E key, USB signal
- Built with proprietary power MMICs.
- 2.4GHz / 5GHz 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 M.2 A E key interface
- 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**

