Bluetooth 4.2+AC650M Nano Wireless USB Adapter

BL-WN650BT

Mini Size, Big performance

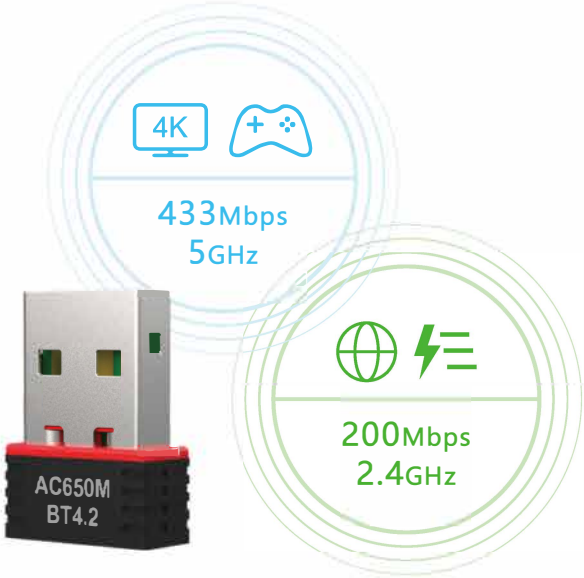
Equip Your Computer with Bluetooth

- Up to 600Mbps speeds with 200Mbps on 2.4GHz and 433 Mbps on 5GHz, upgrades your devices to higher AC WiFi speeds.
- 2.4GHz and 5GHz band for flexible connectivity, upgrades your devices to work with the latest dual-band WiFi router for faster speed and extended range.
- Applies the latest Bluetooth 4.0 with low energy (BLE) technology and it is backward compatible with Bluetooth V3.0/2.1/2.0/1.1
- Ultra-small for convenient portability with reliable high performance
- Supported Operating System – Supports Windows 10/8.1/8/7/XP

600M | Dual Band | 4.2 | Mini Size

High-Speed Dual Band Adapter for Better Connections

The BL-WN650BT Nano receives Wi-Fi signals on two separate bands. Supporting 256QAM technology increases 2.4GHz data rate from 150Mbps to 200Mbps for 33% faster performance. 433Mbps on 5GHz is ideal for HD video streaming and lag-free online gaming, while 200Mbps on 2.4GHz is perfect for normal use such as web surfing with legacy devices.



Link to Your Computer via Bluetooth

BL-WN650BT turns Non-Bluetooth PC or laptop into Bluetooth-capable. Just connect your Bluetooth devices to your computer and enjoy it with ease. It supports 7 Bluetooth devices at most.

Wireless Receiver

Standards and Protocols

· Wi-Fi: IEEE802.11 b/g/n
· BT: BT V2.1(BR/EDR)/V4.2(BLE)

Frequency

· 2.4GHz
· 5GHz

Antenna Type

Omni Directional

Wireless Security

Support 64/128 bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK

Reception Sensitivity

5GHz:
· 11a 6Mbps: -91dBm
· 11a 54Mbps: -76dBm
· 11n HT20: -71dBm
· 11n HT40: -70dBm
· 11ac HT20: -68dBm
· 11ac HT40: -64dBm
· 11ac HT80: -62dBm

2.4GHz:
· 11b 11Mbps: -86dBm
· 11g 54Mbps: -73dBm
· 11n HT20: -71dBm
· 11n HT40: -70dBm

Signal Rate

5GHz
· 11ac: Up to 867Mbps(dynamic)
· 11n: Up to 300Mbps(dynamic)
· 11a: Up to 54Mbps(dynamic)

2.4GHz
· 11n: Up to 400Mbps(dynamic)
· 11g: Up to 54Mbps(dynamic)
· 11b: Up to 11Mbps(dynamic)

System Requirements

Windows 10/8.1/8/7/XP, Mac OS X

Modulation Technology

DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM, 256-QAM

Environment

· Operating Temperature: 0°C~40°C (32°F~104°F)
· Storage Temperature: -40°C~70°C (-40°F~158°F)
· Operating Humidity: 10%~90% non-condensing
· Storage Humidity: 5%~90% non-condensing

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.
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 Product meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is1.6 W/kg averaged over one gram of this Device BL-WN650BT (2AL6KBL-WN650BT) has been tested against this SAR limit. SAR information on this can be viewed on-line at http://www.fcc.gov/oet/ea/fccid/. Please use the device FCC ID number for search. This device was tested for typical operations 5mm from the body. To maintain compliance with FCC RF exposure requirements, 5mm separation distance should. maintained to the user's bodies

NOTE:
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.
Due to the to the Module is too small to placed the label, the label is printed on outer packaging and user manual, please see as below