

WLAN+BT module adapter
Model number: WL12A
User Manual

GENERAL

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

Integration to the end product

1. Insert WL12A module into mini PCI Express card connector.
2. Secure the end of product using the screw.
3. Insert Antenna unit into Antenna connectors of WL12A module.

Technical Specification

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|----------------------------|---|
| a) Dimensions (H x W x D): | 26.8mm x 30.0mm x 2.4mm |
| b) Weight: | 3.7g |
| c) IEEE WLAN Standard: | IEEE802.11a/b/g/n |
| d) Bluetooth: | BDR, EDR, Low energy |
| e) Antenna Diversity: | Supported |
| f) Operating Temperature: | 0 to 80 degree Celsius (Adaptor Shield) |
| g) Humidity: | 50 to 90 %RH |
| h) Connector interface: | mini PCI Express |

Regulatory Information

The NII grant of WL12A module is based on 5GHz new rules including 15.407(b) (4) (ii), so that the WL12A module can continue to be marketed after June 2016 until March 1, 2020.

The all following antennas under WL12A module (FCC ID: ACJ9TGWL12A) will not be manufactured, marketed, sold or imported after March 2, 2020.

Part No.	Function	Type	Gain [dBi] (5700-5825 MHz)	Remarks
DFUP2355(1)	Main	PIFA	2.47	
DFUP2355(2)	Aux	PIFA	2.07	
DFUP2067	Main	PIFA	-0.25	Installed in Host
DFUP1851	Aux	PIFA	1.97	CF-19