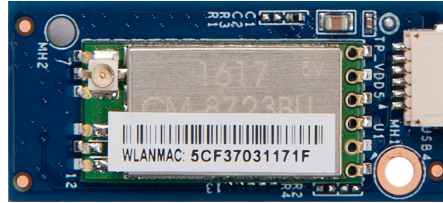


## Wireless Accessories

### VIA EMIO-5531

IEEE 802.11b/g/n USB Wi-Fi  
& Bluetooth Module



### Features

- Supports standard 802.11n 1T1R
- Controller chip: Realtek RTL8723BU WLAN + BT
- Fully qualified Bluetooth 4.0 dual mode + EDR specification including both 2Mbps and 3Mbps modulation mode
- Enterprise level security which can apply WPA/WPA2 certification for Wi-Fi
- Support for Android, Linux, and Windows® 10/8.1/8/7

### Specifications

Model Name		EMIO-5531 USB Wi-Fi & Bluetooth Module	
Wireless	Standard	IEEE 802.11b/g/n	
	Frequency Band	2400 ~ 2483.5MHz ISM band	
	Data Transfer Rates	11n: MCS0 to MCS7 for HT20MHz/HT40MHz 11g: 54/48/36/24/18/12/9/6 Mbps (dynamic) 11b: 11/5.5/3/2/1 Mbps (dynamic)	
	Channel	11 channels for United States (FCC) 13 channels for Europe (ETSI) 14 channels for Japan (TELEC)	
	RF Power	11b : 17dBm 11g : 14dBm 11n : 13dBm	
	Receive Sensitivity	11b : -82dBm 11g : -71dBm 11n : -67dBm	
	Wireless Security	64/128 bit WEP WPA/WPA2, WPA-PSK/WPA2-PSK IEEE 802.1X	
	Bluetooth	Data Transfer Rates	Basic rate: 1Mbps Enhanced rate: 2/3 Mbps High Speed: 6/9/12/18/24/36/48/54 Mbps
		RF Power	Max + 8dBm
		Receive Sensitivity	-89dBm@1Mbps -90dBm@2Mbps -83dBm@3Mbps
Security		Simple pairing	
General	Antenna Connector Type	1 coaxial cable antenna connector	
	Interface	USB 2.0 Interface	
Mechanical	Dimensions	25mm(W) x 2mm(H) x 12mm(D) (0.98" x 0.079" x 0.47")	
Environment	Operating Temperature	-10°C to 70°C	
	Non-Operating Temperature	-40°C~80°C	
	Operating Humidity	0%~95% non-condensing	
	Non-Operating Humidity	0%~95% non-condensing	
Certification	Compliant	CE/ NCC/ TELEC	



## Ordering Information

Part Number	Description
EMIO-5531-00A1	VAB-820-W IEEE 802.11b/g/n USB Wi-Fi & Bluetooth module with assembly kit and antenna

## Packing List

Items
EMIO-5531 module
2 Screw pack for module
Dipole antenna and antenna cable with washers and nuts
USB transmittal cable

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [WiFi Modules - 802.11 category](#):*

*Click to view products by [VIA manufacturer](#):*

Other Similar products are found below :

[KBPC10/15/2506WP](#) [SX-PCEAN2C-SP](#) [849WM520100E](#) [WIFI-AT2350](#) [7265.NGWG.SW](#) [HDG204-DN-3](#) [FXX-3061-MIX](#) [EMIO-1533-00A2](#) [7265.NGWWB.W](#) [PPC-WL-KIT02-R11](#) [RC-CC2640-B](#) [E70-433T14S](#) [WH-NB73-BA](#) [NF-02-PA](#) [EAR00364](#) [3168.NGWG](#) [MY-WF003U](#) [AX210.NGWG.NV](#) [ESP-15F32Mbit](#) [ESP32-S32Mb](#) [TG-01M](#) [ESP-13](#) [ESP-01F-2M](#) [ESP-01E-2M](#) [ESP-20](#) [ESP32-SL](#) [ESP-12K-PSRAM](#) [ESP-12K-PSRAM-IPEX](#) [ESP-12H](#) [BW18](#) [BW12-16Mb](#) [BW14](#) [BW15](#) [BW16](#) [TG-12F](#) [SIM7600CE-L1S](#) [CB3S\(tjrl\)](#) [CB3S\(hvk9\)](#) [CB3S\(qh6\)](#) [WB2S\(csyd\)](#) [WB3S\(ppty\)](#) [WB3S\(h238\)](#) [WB3S\(uvmz\)](#) [1005869](#) [1012](#) [QCA4004X-BL3B](#) [32-2006-BU](#) [WT51822-S4AT](#) [WT8266-S2](#) [DWM1000](#)