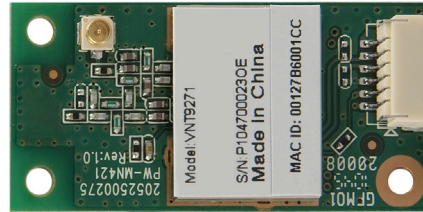


## Wireless Accessories

VIA

### VNT9271/EMIO-1533

IEEE 802.11b/g/n USB Wi-Fi  
Module/Dongle



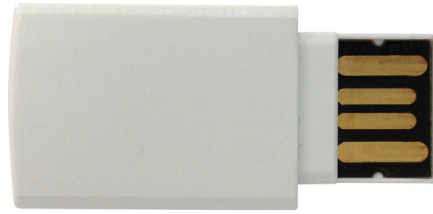
## Features

- Supports standard 802.11N 1T1R
- Controller chip: Atheros AR9271
- Wireless speed up to 150Mbps
- Compatible with 11b/g and 11N devices
- Supports 802.11e Wi-Fi Multimedia (WMM)
- Supports wireless roaming
- Supports 64/128/152 bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK and 802.1X security mode
- Support for Android, Linux, and Windows® 8.1/8/7

## Specifications

Model Name	EMIO-1533 USB Wi-Fi Module	
Wireless	<b>Standard</b>	IEEE 802.11b/g/n
	<b>Frequency Band</b>	2400 ~ 2483.5MHz ISM band
	<b>Data Transfer Rates</b>	11N: 135/121.5/108/81/54/40.5/27/13.5Mbps 130/117/104/78/52/39/26/13Mbps 65/58.5/52/39/26/19.5/13/6.5Mbps
		11g: 54/48/36/24/18/12/9/6 Mbps (dynamic)
		11b: 11/5.5/3/2/1 Mbps (dynamic)
	<b>Channel</b>	11 channels for United State (FCC) 13 channels for Europe (ETSI) 13 channels for Japan (TELEC)
	<b>Extend Frequency</b>	DSSS
	<b>Modulation Type</b>	OFDM
	<b>RF Power</b>	11b : 16.5 +/- 1.5dBm
		11g : 13.5 +/- 1.5dBm
11n : 13.5 +/- 1.5dBm		
<b>Receive Sensitivity</b>	11b : -80+/- 1.5dBm	
	11g : -69+/- 1.5dBm	
	11n : -67+/- 1.5dBm	
<b>Wireless Security</b>	64/128/152 bit WEP WPA/WPA2, WPA-PSK/WPA2-PSK	
General	<b>Antenna Connector Type</b>	1 coaxial cable antenna connector
	<b>Operating Voltage</b>	5 VDC +/- 10%
	<b>Power Consumption</b>	Typical full load(upload) - 270~300mA
		Typical full load(download) - 150~210mA
<b>Interface</b>	USB 1.1/2.0 Interface	
Mechanical	<b>Dimensions</b>	17mm(W) x 4.9mm(H) x 35mm(D) (0.67" x 0.19" x 1.38")
Environment	<b>Operating Temperature Condition</b>	0°C to 80°C
	<b>Non-Operating Temperature Condition</b>	-40°C~80°C
	<b>Operating Humidity Condition</b>	10%~90% non-condensing
	<b>Non-Operating Humidity Condition</b>	10%~90% non-condensing
Certification	<b>Compliant</b>	FCC/ CE/ NCC/ MIC





## Specifications

<b>Model Name</b>	VNT9271 USB Wi-Fi Dongle	
<b>Wireless</b>	<b>Standard</b>	IEEE 802.11b/g/n
	<b>Frequency Band</b>	2400 ~ 2483.5MHz ISM band
	<b>Data Transfer Rates</b>	11N: 135/121.5/108/81/54/40.5/27/13.5Mbps 130/117/104/78/52/39/26/13Mbps 65/58.5/52/39/26/19.5/13/6.5Mbps 11g: 54/48/36/24/18/12/9/6 Mbps (dynamic) 11b: 11/5.5/3/2/1 Mbps (dynamic)
	<b>Channel</b>	11 channels for United State (FCC) 13 channels for Europe (ETSI) 13 channels for Japan (TELEC)
	<b>Extend Frequency</b>	DSSS
	<b>Modulation Type</b>	OFDM
	<b>RF Power</b>	• 11b : 16.5 +/- 1.5dBm • 11g : 13.5 +/- 1.5dBm • 11n : 13.5 +/- 1.5dBm
	<b>Receive Sensitivity</b>	11b: -85dBm 11g: -68dBm 11n: -68dBm
	<b>Wireless Security</b>	64/128/152 bit WEP WPA/WPA2, WPA-PSK/WPA2-PSK
	<b>General</b>	<b>Antenna Connector Type</b>
<b>Operating Voltage</b>		5 VDC +/- 10%
<b>Interface</b>		USB 1.1/2.0 Interface
<b>Mechanical</b>	<b>Dimensions</b>	16.2mm(W) x 6.1mm(H) x 34.98mm(D) (0.64" x .024" x 1.38")
<b>Environment</b>	<b>Operating Temperature Condition</b>	0°C to 50°C
	<b>Non-Operating Temperature Condition</b>	-40°C~70°C
	<b>Operating Humidity Condition</b>	10%~90% non-condensing
	<b>Non-Operating Humidity Condition</b>	10%~90% non-condensing
<b>Certification</b>	<b>Compliant</b>	FCC/ CE/ NCC

## Ordering Information

Part Number	Description
EMIO-1533-00A2	VNT9271 IEEE 802.11b/g/n USB Wi-Fi module with assembly kit
00GO27100BU2B0D0	VNT9271 IEEE 802.1 b/g/n USB Wi-Fi dongle

## Packing List

### Items

EMIO-1533 module  
2 Screw pack with washers and nuts  
Dipole antenna and antenna cable  
USB transmittal cable