

## Wireless Module/Dongle

NEW

VIA

# VNT9485

IEEE 802.11b/g/n Standards  
PCIe Module



## Features

- Supports standard 802.11N 1T1R
- Controller chip: Atheros AR9485
- Wireless speed up to 150Mbps
- Compatible with 11b/g and 11N devices
- Supports 802.11e WiFi Multimedia (WMM)
- Supports wireless roaming
- Supports 64/128/152 bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK and 802.1X security mode
- Drivers availabilities: Windows XP, Windows 7, Windows Vista, Linux
- Sizes : minicard form factor

## Specifications

Model Name		VNT9485BE0CW PCIe Module
Wireless	Standard	IEEE 802.11b/g/n
	Frequency Band	2400 ~ 2483.5MHz ISM band
	Data Transfer Rates	• 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)
	Channel	1 ~13 channel
	Extend Frequency	DSSS
	Modulation Type	OFDM
	RF Power	• 1b : 17dBm@11Mbps • 11g : 18dBm@ 6Mbps; 13dBm@54Mbps • 11n/20M : 16dBm@MCS0; 11dBm@MCS7 • 11n/40M : 16dBm@MCS0; 11dBm@MCS7
	Receive Sensitivity	• 130M: -68dBm@10% PER • 108M: -68dBm@10% PER • 54M: -68dBm@10% PER • 11M: -85dBm@8% PER • 6M: -88dBm@10% PER • 1M: -90dBm@8% PER
	Wireless Security	• 64/128/152 bit WEP • WPA/WPA2, WPA-PSK/WPA2-PSK
	General	Antenna Connector Type
Operating Voltage		3.3 VDC +/- 10%
Power Consumption		• Transmit - 20MHz < 500mA; 40MHz < 520mA; • Receive - 20MHz < 200mA; 40MHz < 250mA; • Radio off mode : 110~130mA; • Suspend mode : ~8mA
Form Factor And Interface		PCIe minicard
Mechanical	Length	Half size minicard and full size minicard compatible
	Width	30 mm
Environmental Specification	Operating Temperature Condition	The product is capable of continuous reliable operation when operating in temperature of 0°C to 60°C
	Non-Operating Temperature Condition	-20°C~70°C
	Operating Humidity Condition	10%~90% non-condensing
	Non-Operating Humidity Condition	10%~90% non-condensing
Certificates	Compliant	FCC/CE/NCC/IC/TELEC/MIC/SRRC/C-Tick/IDA/DGPT/NTC/WPC/Subtel...

## Ordering Information

Part Number	Description
00GO48500BE200C2	IEEE 802.11 b/g/n Standards PCIe Module



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