



## Product Overview



This IEEE802.11b compliant WLAN radio module is specially designed for embedded system application. This device is built with TI TNET1100B Combo baseband/MAC chip together with Maxim 2820 radio. It has the best radio performance as well as the lowest power consumption.

This RF module is based on CardBus interface but with the different connector and mechanical form factor. With a proper adapter board, this RF module can be treated and tested as a standalone WLAN CardBus adapter. When it is used for the embedded system application, it can also be used as a 16 bits slave interface defined by TNET1100B data sheet for the application such as either PDA as a WLAN client or an Access Point.

## Key Features and Benefits

- Very Low Power Consumption
- Supports Adaptive Power Control
- Reserved Pin for coexistence of WLAN and Bluetooth

## Specifications

<b>Standard Compliance</b>	IEEE802.11b
<b>Host Interface</b>	32-bit CardBus PCMCIA 16-bit Slave mode Compact Flash
<b>Antenna Interface</b>	Two 50 Ohm antenna pads provided
<b>RF Emission Type</b>	Direct Sequence Spread Spectrum (DSSS)
<b>RF Frequency Band</b>	2.4GHz
<b>RF Output Power</b>	15 dBm (Typical)
<b>Data Rate</b>	44/22/11/5.5/2/1Mbps with auto fall back
<b>Security</b>	64/128/256-bit WEP Encryption
<b>Power</b>	Power Supply Voltage: 3.3V ± 5% Power Consumption: Transmission: 290mA Receiving: 280mA Sleep: 10mA
<b>Dimension</b>	46.0 x 28.0 x 3.8 mm (1.81 x 1.10 x 0.15 inch)
<b>Weight</b>	5 g (0.01 lb)

\* Product appearance and specifications are subject to change without prior notice.

## National Datacomm Corporation

4F, No.24-2, Industry East 4th Road, Science Park  
Hsin-Chu, Taiwan, R.O.C.  
Tel: +886-3-5783966  
Fax: +886-3-5777989  
Email: sales@ndc.com.tw

## NDC World Wide Web

[www.ndclan.com](http://www.ndclan.com)

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