

## **SB2000, airNIC Technical Specifications**

<b>Frequency of Operation:</b>	2400MHz to 2483.5MHz, ISM Band
<b>Type of Device:</b>	Direct Sequence Spread Spectrum Transmitter / Receiver
<b>Compliance:</b>	IEEE 802.11b
<b>Total Number of Channels:</b>	11, FCC, overlapping, 5MHz spacing 13 ETSI 14 Japan
<b>Transmitter Power Output:</b>	14.0 dBm (max)
<b>Modulation Technique:</b>	Direct Sequence Spread Spectrum <ul style="list-style-type: none"><li>▪ CCK for 11 &amp; 5.5Mbps</li><li>▪ DQPSK for 2Mbps</li><li>▪ DBPSK for 1Mbps</li></ul>
<b>Spreading Sequence:</b>	11 bit Barker Sequence
<b>Internal Clocks Used:</b>	12MHz, 36MHz, 44MHz
<b>External Antenna Gain:</b>	+2.2dBi (max), half wave dipole
<b>External Antenna Impedance:</b>	50 ohms
<b>Data Rate:</b>	11 M bits / sec
<b>PC Interface:</b>	USB, 1.1
<b>Power Requirements:</b>	5VDC from USB, 350mA (typical)
<b>Weight:</b>	150gms (max)