

SB2000, airNIC Technical Specifications

Frequency of Operation:	2400MHz to 2483.5MHz, ISM Band
Type of Device:	Direct Sequence Spread Spectrum Transmitter / Receiver
Compliance:	IEEE 802.11b
Total Number of Channels:	11, FCC, overlapping, 5MHz spacing 13 ETSI 14 Japan
Transmitter Power Output:	14.0 dBm (max)
Modulation Technique:	Direct Sequence Spread Spectrum ▪ CCK for 11 & 5.5Mbps ▪ DQPSK for 2Mbps ▪ DBPSK for 1Mbps
Spreading Sequence:	11 bit Barker Sequence
Internal Clocks Used:	12MHz, 36MHz, 44MHz
External Antenna Gain:	+2.2dBi (max), half wave dipole
External Antenna Impedance:	50 ohms
Data Rate:	11 M bits / sec
PC Interface:	USB, 1.1
Power Requirements:	5VDC from USB, 350mA (typical)
Weight:	150gms (max)