Description of the product

Model name: 802UI
Description: 802.11b Wireless LAN USB Device
Form factor: Customize USB tangle

The 802UI is a complete wireless high speed Network Interface (NIC) utilizing the
Intersil Prism 2.5 Direct Sequence Spread Spectrum Wireless Transceiver chip set.
It supports the IEEE 802.11b network specification for Direct Sequence Spread Spectrum
DSSS signaling,
The card is packaged in customized USB tangle.
The card provides data rates of 1, 2, 5.5 and 11Mbps.
The card has integrated microstrip Dual Diversity Antennas.

Functional Overview
The 802UI is designed to operate in the 2.4GHz ISM frequency band, channels 1 to 11,
as specified by the FCC in the USA. The card will also operate on channels 12 through
14, where permitted by local regulatory authorities.

The 802UI implements Direct Sequence Spread Spectrum DSSS technology providing
superior noise and signal jamming immunity including less severe impact from
unintentional radiators such as microwave ovens.

The users can connect the 802UI in an ad-hoc peer to peer networking scheme, allowing
for instant network setup in any office environment. By using an access point, the
wireless LAN can be set up to allow for a greater number of users to interconnect, and to
increase the coverage area. With a portal (i.e., Access Point), the wireless LAN can be
easily connected into an existing wired-LAN, allowing for easy expansion of the service.

Electrical rating:
Voltage: +5V
Transmit: 280mA
Receive: 215mA

Antenna Gain: +2.5 dBi
Transmitter Power Output: 15 dbm (typical)
Receive Sensitivity: -83 dbm (typical)