Benefits

The USB 2.0 wireless card supporting 802.11b/g (2.4GHz) radio operation. It provides high-speed wireless connection with data rate up to 108Mbps. The shirking dimension, light weight & lower power consumption design can easily integrate into a wide range of OEM/ODM device.

NUB-362(EXT) has high power and high sensitivity. Further, it provides an external Antenna which can easily advance your distance and performance more flexible. To protect your wireless connectivity, the high-speed wireless USB adapter can encrypt all wireless transmissions through 64/128/152-bit WEP data encryption and also supports WPA. With the High-Speed Wireless USB Adapter, you will experience the best wireless connectivity available.

Key features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Speed Data Rate up to 108Mbps in Super G mode</td>
<td>Capable of handling heavy data payloads such as MPEG video streaming.</td>
</tr>
<tr>
<td>High Output Power up to 23 dBm</td>
<td>Excellent output power spreads the operation Distance</td>
</tr>
<tr>
<td>Advanced Encryption Standard (AES), Temporal Key Integrity Protocol (TKIP) and Wired Equivalent Private (WEP)</td>
<td>Powerful data security.</td>
</tr>
<tr>
<td>IEEE802.1x Client Support</td>
<td>Enhances authentication and security.</td>
</tr>
<tr>
<td>Support for 802.11e standard</td>
<td>Wireless Multimedia Enhancements Quality of Service support (QoS)</td>
</tr>
<tr>
<td>Advanced Power Management</td>
<td>Low power consumption in power saving mode up to 98%.</td>
</tr>
<tr>
<td>Support eXtended Range technology</td>
<td>eXtended Range technology give Wi-Fi products twice the range of existing designs</td>
</tr>
<tr>
<td>External (changeable) Antenna</td>
<td>Changeable Antenna provides users more flexible to select other antennas</td>
</tr>
</tbody>
</table>

* Theoretical wireless signal rate based on IEEE standard of 802.11a, b, g chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.
** All specifications are subject to change without notice. 10/2/2005

Technical Specifications

Data Rates
802.11g: 6, 9, 12, 18, 24, 36, 48, 54, and Up to 108 Mbps
802.11b: 1, 2, 5.5 and 11Mbps

Standards / Compliance
IEEE802.11, IEEE802.11g, IEEE802.11b, draft IEEE 802.11e, and i standards, IEEE802.1x

Regulation Certifications
FCC Part 15/UL, ETSI 300/328/CE
Operating Voltage
5 V ± 0.25V

Status LEDs
RF link activity

Drivers
Windows 98SE/ME/2000/XP

RF Information

Frequency Band
U.S., Europe and Japan product covering 2.4 to 2.484 GHz, programmable for different country regulations

Media Access Protocol
Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)

Modulation Technology
802.11g: OFDM (64-QAM, 16-QAM, QPSK, BPSK)
802.11b: DSSS (DBPSK, DQPSK, CCK)

Operating Channels
11 for North America, 14 for Japan, 13 for Europe, 2 for Spain, 4 for France

Receive Sensitivity (Typical)
2.412~2.472G(IEEE802.11g)
6Mbps@ -91dBm;
54Mbps@ -76dBm
2.412~2.472G(IEEE802.11b)
11Mbps@ -91dBm;
1Mbps@ -96dBm

Available transmit power
FCC (Typical)
2.412~2.472G(IEEE802.11g)
22 dBm @ 6 – 24 Mbps
21 dBm @ 36 Mbps
20 dBm @ 48 Mbps
19 dBm @ 54 Mbps
2.412~2.472G(IEEE802.11b)
22 dBm @ 1~11Mbps

ETSI (Typical)
2.412~2.472G(IEEE802.11g)
20 dBm @ 6 – 24 Mbps
20 dBm @ 36 Mbps
20 dBm @ 48 Mbps
19 dBm @ 54 Mbps
2.412~2.472G(IEEE802.11b)
20 dBm @ 1~11Mbps

Antenna
Dipole antenna (2dBi detachable antenna)

Networking

Topology
Ad-Hoc, Infrastructure

Security
IEEE802.1x support for LEAP/PEAP
WPA – Wi-Fi Protected Access (AES, 64,128,152-WEP with shared-key authentication)

Physical

Form Factor
USB 2.0 / 1.1

Dimensions (LxWxH)
75.2(L) mm x 53.9(W) mm x 14(H) mm

Weight
40 g/ 1.5oz

Environmental

Temperature Range
Operating: -0°C to 55°C
Storage: -20°C to 75°C

Humidity (non-condensing)
5%~95% Typical

Package Contents
One CD-ROM with User's Manual and Drivers
One USB dongle
One Antenna (2dBi)