



## BEC 3010N

### Draft 802.11n Wireless USB Adapter

Using the BEC 3010N Wireless USB Adapter is a simple way to add wireless connectivity to your desktop or notebook computer. The BEC 3010N deploys the very latest technology, draft 802.11n, which enables expanded wireless coverage of up to 3 times the range of standard 802.11g products and faster speeds of up to 300Mbps data rate. By combining the BEC 3010N with BEC's 802.11n ADSL router products, faster wireless speed and wider range can be assured.

The BEC 3010N features industrial-strength WEP, WPA1/2 and WPA1/2-PSK encryption, so your wireless connectivity is protected with strong security. It also supports most Windows and Mac platforms. Once you're connected, you can go online, access your email, and share files and other resources on the network. At home, you can surf the Internet and chat with your friends whenever you want. You can also use it for a wireless connection in a number of public hotspots, Internet cafes, airport lounges, and other places with publicly accessible wireless networks.

Just plug it into your computer's USB port and enjoy wireless network access for true mobility. It is also compliant with both the 802.11g and 802.11b standards and 300Mbps RX PHY rate, 150Mbps TX PHY rate.

- Compliant with draft 802.11n, 802.11g, and 802.11b network devices
- Supports WEP, WPA, WPA2, 802.1x and 802.11i for WLAN security
- USB 2.0 Interface
- Universal Plug and Play (UPnP)
- Supports the most popular Windows and Mac operation systems

### Draft 802.11n Wireless USB Adapter

#### Standards

- IEEE 802.11g/b/n draft 2.0

#### Interface

- USB rev. 2.0 A-Type

#### Frequency Band

- 2.400GHz ~ 2.4835GH

#### Modulations

- IEEE 802.11g: OFDM (64-QAM, 16-QAM, QPSK, BPSK)

- IEEE 802.11b:

DDSSS (CCK/DQPSK/DBPSK)

- IEEE802.11n:

OFDM (64-QAM, 16-QAM, QPSK, BPSK)

#### Data Rates

- IEEE 802.11g: 54, 48, 36, 18, 12, 9 & 6Mbps; Auto-fallback

- IEEE 802.11b: 11, 5.5, 2 and 1Mbps; Auto-fallback

- Legacy, Mixed and Green Field Modes, Support 20/40MHz Bandwidth MCS0-7 (150Mbps PHY Rate Support)

#### Security

- 64/128bit WEP, WPA, WPA2, 802.1x and 802.11i

- Cisco CCX Compliant

#### Transmitting Power

- 802.11b: up to 16.5 ±1 dBm

- 802.11g: up to 13.5 ±1 dBm

- 802.11n: up to 13.5 ±1 dBm

#### Number of Operational channels

- U.S. 1-11

- Japan 1-13, 14

- Elsewhere Worldwide 1-13

#### Supported Operating Receiver Sensitivity

- 54Mbps OFDM, 10% PER, -70dBm

- 11Mbps CCK, 8% PER, -85dBm

- 1Mbps BPSK, 8% PER, -91dBm

- 11n MCS15 & MCS7 20MHZ, 10% PER, -64dBm

- 11n MCS15 & MCS7 40MHZ, 10% PER, -61dBm

#### Systems

- Windows 2000/XP/Vista

- Mac 10.3/10.4

#### Antenna

- Integrated diversity antenna

#### Dimensions

- 88 (L) x 27 (W) x 11.5 (H) mm

#### Weight

- 19.9g

#### Temperature Range

- Operation: 0 °C ~ 40 °C

- Storage: -20 °C ~ 80 °C

#### Humidity

- Operating: Max. 95% (Non Condensing)

- Storage: Max. 95% (Non-Condensing)

#### Certifications

- FCC, CE