The SMC2602W is an IEEE 802.11b-compliant 2.4GHz 11 Mbps Wireless PCI Card. It meets the needs of small business and corporate users who require an 11 Mbps wireless connection to an existing LAN. This adapter features an operating range of up to 1,155 feet, and true plug-and-play installation in all desktop computers.

Great for mobile users, temporary work sites and a range of other applications, wireless technology provides optimal mobility, simple and flexible installation options and excellent scalability in supporting additional PCs. The technology is also ideal for use with cable or xDSL modems, as well as SOHO and corporate applications.

In the typical wireless configuration, a 2.4GHz 11 Mbps Wireless Access Point (SMC2655W) connects to a wired network. Users access the LAN via SMC wireless adapters in their notebooks or desktops. The wireless LAN adapters interface between the client Network Operating System and the Wireless Access Point. In a peer-to-peer (Ad-Hoc Mode) configuration, one wireless card is needed for each computer, but no Access Point is required.

### Overview

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
<th>Compatibility</th>
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</thead>
<tbody>
<tr>
<td>- EZ installation using built-in Installation Wizard</td>
<td>- EZ installation; plug-and-play; no configuration needed</td>
<td>- IEEE 802.11b</td>
</tr>
<tr>
<td>- 2.4GHz frequency band; up to 11 Mbps wireless LAN connection</td>
<td>- Instant access to shared information without the need to plug in</td>
<td>- Windows 98/Me/2000/XP</td>
</tr>
<tr>
<td>- Auto-fallback feature from 11 to 5.5, 2, 1 Mbps</td>
<td>- Network managers can set up, move, or expand a new LAN with no need for installation or moving wires</td>
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<tr>
<td>- Up to 1,155 feet operating range</td>
<td>- 11 Mbps performance will meet most foreseeable networking needs</td>
<td></td>
</tr>
<tr>
<td>- Direct Sequence Spread Spectrum (DSSS)</td>
<td>- Detachable antenna allows for replacement with high gain antenna for better range and coverage</td>
<td></td>
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<tr>
<td>- AD-Hoc mode (Peer-to-Peer) or Infrastructure mode (Communication to the Wired Network via an Access Point)</td>
<td>- Direct Sequence Spread Spectrum (DSSS) technology provides for immunity to interference</td>
<td></td>
</tr>
<tr>
<td>- Site survey in utility software displays a listing of available wireless access points</td>
<td>- Wireless LANs are tremendously convenient, help to enhance productivity, and provide a real cost benefit over traditional wired networks (no cable installation or maintenance expenses)</td>
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<tr>
<td>- Ability to create and save multiple profiles for different wireless LAN settings</td>
<td>- Advanced Security through 64/128-bit WEP encryption ensure secure network transmission</td>
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</table>
**EZ Connect™**

**2.4GHz 11 Mbps Wireless PCI Card**

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**SMC2602W**

**Standard**
- IEEE 802.11b

**Operating Range**
- Up to 1,155 ft

**Frequency Band:**
- 2400 ~ 2472MHz (for US, Canada, and ETSI)
- 2400 ~ 2484MHz (for Japan)

**Modulation Type:**
- CCK, BPSK, QPSK

**Network Configuration**
- Ad-Hoc (Peer-to-Peer)
- Infrastructure

**Security**
- 64-bit or 128-bit WEP

**Operating Channels:**
- 11 channels (US, Canada)
- 13 channels (ETSI)
- 14 channels (Japan)

**Radio Technology:**
- Direct Sequence Spread Spectrum (DSSS)

**Data Rate:**
- 1 / 2 / 5.5 / 11 Mbps

**Media Access**
- Protocol: CSMA/CA with ACK

**Output Power:**
- +15dBm

**Receive sensitivity:**
- Min. -80dBm for 11Mbps;
- Min. -83/-85/-86dBm for 5.5/2/1 Mbps respectively (@8%PER)

**Antenna connector:**
- Reverse SMA Connector

**Host Interface:**
- PCI specification v2.2

**Certification:**
- FCC Class B Part 15.247
- ETSI 300.328;
- Industry Canada

**Operating Systems:**
- Windows 98/ME/2000/XP

**Temperature:**
- Operating (0 – 50° C)
- Storage (0 - 70° C)

**Humidity:**
- Max. 95%

**Dimensions**
- 6.25 x 4.75 in

**Weight**
- 0.90 lbs

**Warranty**
- Limited lifetime

**Antenna Specifications**

**Antenna type:**
- 1/4 è Dipole

**Frequency Band:**
- 2.400 ~ 2.497GHz (for US/Canada/ETSI/Japan)

**Impedance:**
- 50 Ohms nominal

**Gain:**
- 2.0 dBi

**Radiation:**
- Omni

**Polarization:**
- Vertical

**VSWR:**
- < =2.0

**Connector:**
- Reverse SMA connector

**Temperature:**
- Operating (-20° C ~ +65° C)
- Storage (-30° C ~ +75° C)

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<table>
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<th>Product</th>
<th>Description</th>
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<td>SMC2602W</td>
<td>EZ Connect 2.4GHz 11 Mbps Wireless PCI Card</td>
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