In today’s enterprise world, mobility, flexibility, and security are the important ingredients for enhancing the productivity and convenience of wireless networks in corporate environments. SMC’s new EliteConnect 2.4GHz 802.11b High Power Wireless PC Card (SMC2532W-B) connects with an existing Ethernet installation so wireless enterprise laptop users can gain instant network access and resources from the conference room to the board room. This new member of the EliteConnect family of product line from SMC combines superior performance, range, and reliability.

The new SMC2532W-B offers an incredible transmit power of 200mW, one of the highest in the industry. The SMC EliteConnect 802.11b High Power Wireless PC Card provides an operating range up to 3 times greater than the standard 802.11b wireless clients. Since it has the ability to significantly decrease indoor multipath distortion, users will experience dramatic improvements in the quality and throughput of their wireless networking. Equipped with a detachable antenna with two available MMCX connectors, users can connect an optional high gain antenna (SMCANT-OM5) to increase the already superior range of the SMC2532W-B.

Based on the IEEE 802.11b standard, this new product can be configured for Ad-hoc mode (Peer-to-Peer) or Infrastructure mode (communication to the wired network via an Access Point). Since it is based on 802.11b standard, it is interoperable among different 802.11b compliant vendors. The included EZ Installation Wizard enables quick and easy setup.

The new SMC2532W-B EliteConnect 802.11b High Power Wireless PC Card provides a high level of security to enterprises by supporting both 64/128-bit WEP encryption and the new Wi-Fi Protected Access (WPA). It also supports advanced enterprise level security and RADIUS authentication through 802.1x, EAP-MD5, EAP-TLS, EAP-TTLS, and LEAP for user authentication to ensure only authorized users can access the resources of the wireless network. Moreover, profile management software allows the new high power wireless notebook adapter the ability to save multiple wireless settings corresponding to different locations or networks. Furthermore, the SMC2532W-B has a built-in utility program for scanning all available Wireless Access Points on the network.

Combine all of these features including excellent performance, range, reliability, ease-of-use with our free 24/7 technical support and you have a state-of-the-art, best-of-breed high power wireless client adapter to seamlessly integrate into a new or existing wireless network.
# EliteConnect™ 2.4GHz 802.11b High Power Wireless PC Card

## SMC2532W-B

### Standards
- IEEE 802.11b

### Interface
- 16-bit PCMCIA V2.1 I/O interface, Type II, 5V key

### Data Rate
- 11, 5.5, 2 and 1 Mbps per channel, Auto Fall-Back

### Operating Range
- Up to 2,700 feet

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

### Modulation
- CCK (11Mbps, 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps)

### Security
- 64-/128-bit Wired Equivalent Privacy (WEP)
- 802.1x
- EAP-MD5
- EAP-TLS
- EAP-TTLS
- LEAP
- WPA

### Operating Frequency
- 2.412-2.462 GHz (N. America)
- 2.412-2.484 GHz (Japan)
- 2.412-2.472 GHz (Europe ETSI)
- 2.457-2.462 GHz (Spain)
- 2.457-2.472 GHz (France)

### Operating Channels
- 11 N. America
- 14 Japan
- 13 Europe (ETSI)
- 2 Spain, 4 France

### RF Output Power
- 23dBm Typical ± 2dBm

## SMC2532W-B

### Sensitivity
- @PER< 8%
  - 11Mbps: -89dBm
  - 5.5Mbps: -91dBm
  - 2Mbps: -93dBm
  - 1Mbps: -94dBm

### Antenna Gain
- 0.23 dBi

### Antenna Type
- Detachable with two MMCX connectors

### Operating Systems
- Windows 9x/ME/2000/XP

### Power Voltage
- 5.0 VDC ± 5%

### Power Consumption
- TX power consumption: <650 mA
- RX power consumption <280 mA
- Power Save consumption <100mA

### Compliance
- USA: FCC Part 15 Class B and C
- Canada: ISC RSS139
- Japan: Telec RCR STD 33, T66; JETA

### Operating Temperature
- 0 ~ 122°F

### Storage Temperature
- -4 ~ 176°F

### Humidity (non-condensing)
- 5~80%

### Dimension
- 3.38 in (L) * 2.13 in (W) * 0.2 in (H) without Antenna

### Weight
- < 1.77 oz

## SM Cant-OM5

### Electrical Specification

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>2400-2500MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain</td>
<td>5dBi</td>
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<tr>
<td>Polarization</td>
<td>Vertical</td>
</tr>
<tr>
<td>H.HFBW</td>
<td>360°</td>
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<tr>
<td>V.HFBW</td>
<td>40°</td>
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<tr>
<td>Impedance</td>
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<tr>
<td>VSWR</td>
<td>&lt; 1.5</td>
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<tr>
<td>Lighting Protection</td>
<td>DC Ground</td>
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<tr>
<td>Cable Type</td>
<td>RG-174 (Black)</td>
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<tr>
<td>Connectors Type</td>
<td>MMCX</td>
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<tr>
<td>Max Power Rating</td>
<td>50Watt</td>
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</table>

### Product

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
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<tr>
<td>SMC2532W-B</td>
<td>EliteConnect™ 2.4GHz 802.11b High Power Wireless PC Card</td>
</tr>
<tr>
<td>SMCANT-OM5</td>
<td>EliteConnect™ 2.4GHz Wireless High Gain External Omni-Directional Antenna</td>
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