The EliteConnect 2.4GHz 802.11g Wireless Access Point (SMC2552W-G) provides a secure, and high-performance enterprise class wireless LAN supporting up to 64 users. The reliability, security, manageability and upgradability of the SMC2552W-G make it an ideal solution for any organization looking to satisfy its workforce’s mobile computing needs. The EliteConnect 2.4GHz 802.11g Wireless Access Point (SMC2552W-G) ships as an 802.11b/802.11g access point, supporting 2.4GHz, and 54Mbps/11Mbps radio transmission. The 802.11b/g mini-PCI modules future proofs your wireless network and also provides the maximum mobility and flexibility needed for today’s wireless standards.

Wireless LAN security is a main concern in enterprise deployment. The EliteConnect 2.4GHz 802.11g Wireless Access Point (SMC2552W-G) provides enterprise level advanced authentication and encryption security features. Security features include the new Wi-Fi Protected Access (WPA), up to 152-bit WEP encryption, AES, 802.1x authentication access control with key rotation (MD5, EAP-TLS per user per session key, EAP-TTLS per user per session key, session key and broadcast key rotation, and PEAP), support for FUNK Odyssey and Microsoft RADIUS Server, up to 256 MAC address authentication, open/share authentication, disabled SSID broadcast, and up to 16 virtual LANs (VLANs).

The new SMC2552W-G also has flexible management features. Web-based network management tools make configuration and remote management of the network simple. IT professionals can also use Command Line Interface (CLI) to quickly and easily manage the device and wireless network. In addition, SMC Networks EliteView Management Software (version 6.12)* and SNMP support in SMC2552W-G allows easy integration of your wireless LAN with your wired infrastructure. Other management features include Syslog and Event Logging.

SMC2552W-G provides configurable output transmit power to adjust coverage area size. If extended range is required, users can choose among the wide selection of SMC 2.4GHz High Gain Antennas. SMC2552W-G comes with detachable antennas with SMA connectors for optional 2.4GHz High Gain Antenna for extended range and coverage. The new enterprise level 802.11g Wireless Access Point supports Power over Ethernet that adheres to 802.3af standard. Power over Ethernet support reduces installation cost by using standard Category 5 cable to provide power to the Access Point. In addition, SMC2552W-G provides anti-theft mechanism by integrating a Kensington security slot on the device. All of the above make SMC2552W-G a perfect solution with unparalleled flexibility and investment protection for your wireless LAN deployment.

* Available First/Second Quarter of 2004

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**Features**

- IEEE 802.11b, and 802.11g compliant
- Data rates up to 54 Mbps in 802.11g, and up to 11 Mbps in 802.11b with auto-fallback feature
- High configurable transmit power up to 100mW
- Support up to 64 users
- Enterprise level of authentication and encryption security
- Flexible management features including Command Line Interface (CLI), Web-based management, SNMP, Syslog, and Event Logging
- Detachable antennas for optional external 2.4GHz high gain antenna
- Power over Ethernet (PoE)
- Anti-Theft mechanism

**Compatibility**

- 802.11b
- 802.11g
- 802.3
- 802.3u
- 802.3af

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**Benefits**

- Simultaneous support of IEEE 802.11b, and 802.11g wireless clients
- High-performance and 802.11b/g compliance allows for seamless interoperation among multiple vendors
- High transmit power delivers superior range and performance
- Enterprise class security features including the new WPA, up to 152-bit WEP encryption, AES, 802.1x authentication and dynamic key management (MD5, EAP-TLS per user per session key, EAP-TTLS per user per session key, session key and broadcast key rotation, and PEAP), support for FUNK Odyssey and Microsoft RADIUS Server, up to 256 MAC address authentication, disabled SSID broadcast
- 16 VLANs support allows segmentation for up to 16 user groups with different LAN policies and security, thereby, increases WLAN manageability and security
- Flexible network management through CLI, Web, Telnet, TFTP, SNMP make it simple and easy to monitor, troubleshoot, and view event logging
- Optional use of 2.4GHz High Gain Antenna for extended range and coverage
- Power over Ethernet support reduces installation cost by using standard Category 5 cable to provide power to the Access Point
- Built-in locking mechanism protects investment
**SMC2552W-G**

**Standards:**
- 802.11b
- 802.11g

**Operation Mode:**
- Infrastructure

**802.11g:**
- Frequency Band:
  - 2400 ~ 2.473.5 MHz (for US, Canada)
  - 2400 ~ 2483.5 MHz (for ETSI, Japan)

**802.11b:**
- Frequency Band:
  - 2400 ~ 2473.5 MHz (for US, Canada)
  - 2400 ~ 2483.5 MHz (for ETSI)
  - 2400 ~ 2497 MHz (For Japan)

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

**Operating Channels:**
- 802.11g
  - 11 channels in base mode (US, Canada)
  - 13 channels (ETSI, Japan)
- 802.11b
  - 11 channels in base mode (US, Canada)
  - 13 channels (ETSI)
  - 14 channels (Japan)

**Radio Technology:**
- OFDM
- DSSS

**Date Rate:**
- 6/9/12/18/24/36/48/54 Mbps (802.11g)
- 1/2/5.5/11 Mbps (802.11b)

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

**Antenna connector:**
- Removable Antennas with SMA connector

**Output Power:**
- up to 20dBm

**Receive Sensitivity:**

<table>
<thead>
<tr>
<th>Rate</th>
<th>Sensitivity (dBm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>802.11g – 6Mbps</td>
<td>-88</td>
</tr>
<tr>
<td>802.11g – 9Mbps</td>
<td>-87</td>
</tr>
<tr>
<td>802.11g – 12Mbps</td>
<td>-86</td>
</tr>
<tr>
<td>802.11g – 18Mbps</td>
<td>-85</td>
</tr>
<tr>
<td>802.11g – 24Mbps</td>
<td>-81</td>
</tr>
<tr>
<td>802.11g – 36Mbps</td>
<td>-77</td>
</tr>
<tr>
<td>802.11g – 48Mbps</td>
<td>-72</td>
</tr>
<tr>
<td>802.11g – 54Mbps</td>
<td>-70</td>
</tr>
<tr>
<td>802.11b – 1 Mbps</td>
<td>-93</td>
</tr>
<tr>
<td>802.11b – 2 Mbps</td>
<td>-90</td>
</tr>
<tr>
<td>802.11b – 5.5Mbps</td>
<td>-90</td>
</tr>
<tr>
<td>802.11b – 11 Mbps</td>
<td>-87</td>
</tr>
</tbody>
</table>

**Operating Range:**
- 802.11b
  - Up to 1689 feet
- 802.11g
  - Up to 1722 feet

**Security:**
- 64-bit, 128-bit, 152-bit WEP Encryption
- Wi-Fi Protected Access (WPA)
- 802.1x, EAP-MD5, EAP-TLS, EAP-TTLS, PEAP Authentication, AES & TKIP Encryption
- Disabled SSID Broadcast
- MAC address filtering
- 16 VLANs

**Configuration and Management**
- Web-browser
- Command Line Interface
- Telnet
- TFTP
- SNMP
- EliteView (v6.12)*
- Syslog
- Event Logging

**Environmental**
- Temperature: Operating (0°~50°C), storage (0°~70°C)
- Humidity: Max. 95%

**Electromagnetic Compatibility**
- FCC Part 15.247
- FCC part 15.1407(b), CISPR 22-96
- Industry Canada
- ETSI
- EN55022
- EN55024
- ETS 300.328; ETS 300 826
- EN61000-3-2
- EN61000-3-3

**Safety**
- UL1950-3
- CSA 950-95
- EN60950

**LEDs:**
- Power
- Ethernet Link
- Wireless 802.11b/g

**Dimensions:**
- 5.47 (L) x 8.66 (W) x 1.46 (H) in. (w/o antenna)

**Weight:**
- 1.92 lbs.