SMC Networks

SMC2552W-G2
EliteConnect™ 2.4GHz 802.11g Wireless Access Point

Wireless LAN security is a main concern in enterprise deployment. The EliteConnect™ 2.4GHz 802.11g Wireless Access Point provides enterprise level advanced authentication and encryption security features. Security features include the new Wi-Fi Protected Access (WPA and WPA2), 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 1024 MAC address authentication, disabled SSID broadcast, and up to 64 virtual LANs (VLANs) through 802.1x.

The new SMC2552W-G2 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, along with telnet and SSH. In addition, SMC Networks EliteView Management Software and SNMP (v1, 2c, 3) support in the SMC2552W-G2 allows for easy integration of your wireless LAN with your wired infrastructure. Other management features include Syslog and Event Logging.

If extended range is required, users can choose among the wide selection of SMC 2.4GHz High Gain Antennas. SMC2552W-G2 comes with detachable antennas with R-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-G2 provides anti-theft mechanism by integrating a Kensington security slot on the device. All of the above make SMC2552W-G2 a perfect solution with unparalleled flexibility and investment protection for your wireless LAN deployment.

OVERVIEW

The EliteConnect™ 2.4GHz 802.11g Wireless Access Point (SMC2552W-G2) provides a secure and high-performance enterprise class wireless LAN supporting up to 64 users. The reliability, security, and manageability of the SMC2552W-G2 make it an ideal solution for any organization looking to satisfy its workforce's mobile computing needs.

New features included in the new SMC2555W-AG2 include Multiple SSID support, Wireless Distribution System (WDS), VLAN tagging, and Wireless Multimedia (WMM) support. Multiple SSID's allow you to create virtual access points with one physical unit. You can set different encryption schemes and VLAN ID's per SSID which allows for segmentation of user groups and policies. WDS support enables repeating functionality between other SMC enterprise access points or bridges. Wireless repeating is an alternative to extending your wireless coverage without the need to run Ethernet cables.

FEATURES	BENEFITS
IEEE802.11b, and 802.11g compliant	Simultaneous support of IEEE802.11b, and 802.11g wireless clients. IEEE802.11b/g compliance allows for seamless interoperation among multiple vendors
Flexible management features	Flexible network management through CLI, Web, Telnet, SSH, TFTP, SNMP make it simple and easy to monitor, troubleshoot, and view event logging
Detachable antennas	Optional use of SMC's 2.4GHz High Gain Antenna for extended range and coverage
Enterprise level of authentication and encryption security	Enterprise class security features including the new WPA2, up to 152-bit WEP encryption, AES, 802.1x authentication and dynamic key management, ACLs, up to 1024 MAC address authentication, and disabled SSID broadcast
Quality of Service Support	The access point implements QoS using the Wi-Fi Multimedia (WMM) standard. WMM employs techniques that are a subset of the developing IEEE 802.11e QoS standard.
Power over Ethernet support	PoE Reduces installation cost by using standard Cat. 5 cable to provide power and data to the Access Point

STANDARDS
• IEEE802.11b/g, IEEE802.1x,
• IEEE802.3, IEEE802.3u, IEEE802.3af

INTERFACE
• 1x 10BASE-T/100BASE-TX (RJ-45) Port
• 1x RS-232c Serial Port
• IEEE802.11b/g Wireless LAN

MEDIA ACCESS PROTOCOL
• CSMA/CA

OPERATIONAL MODE
• Infrastructure Mode

TRANSFER DATA RATES
• IEEE802.11b
• 11, 5.5, 2, 1 Mbps with auto-Fallback
• IEEE802.11g
• 54, 48, 36, 24. 18, 12, 9, 6 Mbps with auto-Fallback

MAXIMUM CHANNELS
• 802.11b/g:
 • FCC/IC: 1-11
 • ETSI: 1-13
 • France: 10-13
 • MKK: 1-14
 • Taiwan: 1-11

MAXIMUM CLIENTS
• 64 per VAP interface

DATA RATE
• 802.11g: 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps per channel
• 802.11b: 1, 2, 5.5, 11 Mbps per channel

MODULATION TYPE
• 802.11g: CCK, BPSK, QPSK, OFDM
• 802.11b: CCK, BPSK, QPSK

OPERATING FREQUENCY
• 802.11b/g:
 • 2.4 ~ 2.4835 GHz (US, Canada, ETSI)
 • 2.4 ~ 2.497 GHz (Japan)
 • 2.400 ~ 2.4835 GHz (Taiwan)

AC POWER ADAPTER
• Input: 100-240 AC, 50-60 Hz
• Output: 5.1 VDC, 3A
• Power consumption: 13.2 watts

POWER SUPPLY
• DC Input: 5 VDC, 2 A maximum
• PoE input: -48 VDC, 0.2 A maximum
• Power consumption: 9.6 W maximum

POE (DC)
• Input voltage: 48 volts, 0.2 A, 12.96 watts

PHYSICAL SIZE
• 21.83 x 13.73 x 3.27 cm (8.60 x 5.40 x 1.29 in)

WEIGHT
• 0.745 kg (1.642 lbs)

LED INDICATORS
• PWR (Power), Link (Ethernet Link/Activity), 11g
  (Wireless Link/Activity)

NETWORK MANAGEMENT
• Web-browser, RS232 console, Telnet, SSH, SNMP (1, 2c, 3)

TEMPERATURE
• Operating: 0 to 50 °C (32 to 122 °F)
• Storage: 0 to 70 °C (32 to 158 °F)

HUMIDITY
• 15% to 95% (non-condensing)

COMPLIANCES
• FCC Class B (US)
• ICES-003 (Canada)
• RTTED 1999/5/EC
• VCCI (Japan)
• RCR STD-33A

Radio Signal Certification
• FCC Part 15C 15.247, 15.207 (2.4 GHz)
• FCC part 15E 15.407 (5 GHz)
• RSS-210 (Canada)
• EN 301.893, EN 300.328, EN 301.489-1, EN 301.489-17
• MPT RCR std.33 (D33 1~13 Channel, T66 Channel 14)

SAFETY
• cCSAus(CSA 22.2 No. 60950-1 & UL60950-1)
• EN60950-1 (TÜV/GS), IEC60950-1 (CB)

Contact

North America
38 Tesla
Irvine, CA 92618
1-800-SMC-4YOU
24/7 Technical Support

Europe/ Africa
Fructuos Gelabert 6-8
08970 Sant Joan Despí
Barcelona, Spain

Check www.smc.com for your local
country contact information