The SMC 802.11g 108G Wireless Cardbus Adapter (SMCWCBT-G) enables you to connect to 802.11g or 802.11b wireless networks at home, at the office or at public hotspots.

The SMCWCBT-G provides the speed, coverage, and security expected by today's wireless users when they communicate, download or upload large files, stream audio or video or use other bandwidth-intensive applications. The SMCWCBT-G is based on an advanced Atheros SuperG chipset that is compliant with the IEEE 802.11g standard and certified by the WiFi Alliance. This 108G Wireless Cardbus Adapter when used in its turbo mode with a compatible 108G router or access point, is 15 times faster than older 802.11b wireless networking devices and yet is 100% backwards compatible with them.

The SMCWCBT-G significantly increases the performance of mixed-mode (802.11b and 802.11g) networks and in 802.11g-only networks - provides up to 3x more throughput and up to 50% throughput.

The SMCWCBT-G Wireless Cardbus Adapter includes an EZ Installation Wizard for quick and easy setup. Simply put the EZ Installation Wizard CD into your laptop PC's CD-ROM drive, click on Install Driver/Utility Link, and the wizard will perform the installation automatically. Then plug in your SMCWCBT-G into the PCMCIA slot of your laptop and you are ready to enjoy the freedom of wireless networking.

The SMCWCBT-G adapter also provides a high level of security by supporting both 64/128-bit WEP encryption and newer WiFi Protected Access (WPA). The SMCWCBT-G’S WLAN utility scans for all available wireless networks and its profile management allows you to save names and settings of multiple networks, so connecting becomes instantaneous.

To expand your wireless network and take advantage of the 108G speeds, purchase the SMCWBR14T-G 108G Wireless Router, the SMCWPCIT-G 108G PCI Adapter for your desktop computers, and the SMCWUSBT-G 108G USB 2.0 Adapter. Go online or visit your SMC dealer today.
## Technical Specifications

### Standards
- IEEE 802.11G, 802.11B

### Interface
- 32-BIT CARDBUS WITH PCMCIA TYPE II

### Data Rates
- 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54MBPS WITH AUTO FALLBACK
- SMC 108G

### Operating Range
- OUTDOORS: UP TO 1,155 FEET / 350 METERS
- INDOORS: UP TO 260 FEET / 80 METERS

### Network Configuration
- AD-HOC (PEER TO PEER)
- INFRASTRUCTURE

### Modulation
- OFDM WITH BPSK, QPSK, 16QAM, 64QAM (11G) DBPSK, DQPSK, CCK (11B)

### Security
- 64-/128-BIT WIRED EQUIVALENT PRIVACY (WEP)
- WPA/WPA2

### RF Frequency
- 2400MHZ – 2497 MHZ – JAPAN BAND
- 2400MHZ – 2483.5MHZ – NORTH AMERICA, EUROPE
- 2455MHZ – 2475MHZ – SPAIN
- 2446.5MHZ – 2483.5MHZ – FRANCE

### Operating Channel
- 11 CHANNELS (US, CANADA)
- 13 CHANNELS (EUROPE)
- 14 CHANNELS (JAPAN)

### RF Output Power
- 64 DBM QAM - 11 DBM
- 16 DBM QAM - 14 DBM
- QPSK - 16 DBM
- BPSK - 17 DBM
- DBPSK, DQPSK, CCK 17

### Sensitivity
- 802.11G; PER < 10%
- 54 MBPS ~65 DBM
- 48 MBPS ~66 DBM
- 36 MBPS ~70 DBM
- 24 MBPS ~72 DBM
- 18 MBPS ~77 DBM
- 12 MBPS ~79 DBM
- 9 MBPS ~81 DBM
- 6 MBPS ~82 DBM
- 802.11B: PER < 8%
- 11 MBPS ~80 DBM

### Operating System
- WINDOWS 98SE/ME/2000/XP

### Antenna Gain
- 1.5 DB

### Antenna Type
- BUILT IN DIVERSITY PATCH ANTENNA

### LED Indicator
- ACTIVITY
- LINK

### Power Voltage
- 3.3+/- 5%

### Power Consumption
- TX (480MA) ; RX (380MA)

### Dimension
- 115 X 54 mm
- 4.5 X 2.125 in

### Weight
- 45 g
- 0.10 lbs

### Compliance
- USA: FCC PART 15 CLASS B AND C
- EUROPE: ETSI EN 300 328-2 AND ETSI EN 301 489-1, -17, EN60950, CE-MARK
- CANADA: ISC RSS139
- JAPAN: RCR STD 33, T66; JETA

### Temperature Range
- OPERATING: -0ºC - +60ºC
- STORAGE: -20ºC - +65ºC

### Humidity
- 20% TO 80% NON-CONDENSING

## Contact

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

### Europe/ Africa
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Check www.smc.com for your local country contact information

www.smc.com