The EZ Connect™ Universal 2.4GHz/5GHz 802.11a/g Wireless Cardbus Adapter from SMC (SMC2336W-AG) is one of the industry’s first true Universal Wireless Cardbus Adapter. This new product employs the latest design and technology from Atheros 802.11a/g combination chipset. SMC2336W-AG lets your notebook computer connect to any available 802.11a, 802.11b or 802.11g wireless networks. Now you only need to carry this one Universal Wireless Cardbus Adapter and it works everywhere – whether at the office, at home, or at “hotspot” locations such as hotels, airports, trade shows, conference centers! It is the ultimate in mobility and flexibility in wireless networking.

The EZ Connect™ Universal 802.11a/g Wireless Cardbus Adapter includes an EZ Installation Wizard that makes set-up quick and easy. Simply put the EZ Installation Wizard CD into your CD-ROM drive, click on Install Driver/Utility Link, the wizard will perform the installation automatically. Then plug in your EZ Connect Universal Wireless Cardbus Card into the PCMCIA slot of your laptop, you are now free to connect to virtually any 802.11 network.

The new SMC2336W-AG 802.11a/g Wireless Cardbus Adapter operates at up to 1,700 feet and offers high-speed data rates of up to 54Mbps in 802.11g mode, and up to 108Mbps in 802.11a Turbo mode - 10 times faster than today’s 802.11b 11 Mbps WLAN products. This adapter also provides advanced security by supporting up to 152-bit WEP encryption, Advanced Encryption Standard (AES), the new Wi-Fi Protected Access (WPA), and 802.1x for user authentication and authorization. Profile management software allows the new wireless notebook adapter the ability to save multiple wireless settings corresponding to different locations or networks, for example one for home and one for work. In addition, SMC2336W-AG has a built-in site-survey utility program for scanning all available Wireless Access Points on the network. Above all, the new addition to the SMC’s wireless family protects your investment, as it is backward compatible to the already popular 2.4GHz 11Mbps wireless network. By carrying only this universal card, you are now ready to stay connected wherever you go!
# EZ Connect™ Universal
## 2.4GHz/5GHz Wireless Cardbus Adapter

**SMC2336W-AG**

**Specifications**

**Product Description:**
EZ Connect Universal 2.4GHz/5GHz Wireless Cardbus Adapter

**Wireless Standards:**
- 802.11a
- 802.11b
- 802.11g

**Host Interface:**
- Cardbus form factor with 32-bit interface

**Operation Mode:**
- Infrastructure & Ad-hoc mode

**Transfer Data Rate:**
**802.11a (Normal mode):**
- 54, 48, 36, 24, 18, 12, 9, 6 Mbps, auto-fallback
- 108, 96, 72, 48, 36, 24, 18, 12 Mbps, auto-fallback

**802.11b/g:**
- 11, 5.5, 2, 1 Mbps, auto-fallback, up to 54 Mbps

**Security:***
- 64-bit, 128-bit, 152-bit WEP Encryption
- Wi-Fi Protected Access (WPA)
- 802.1x Authentication
- AES-CCM & TKIP Encryption

**Frequency Range:**
**North America:**
- 2.412 ~ 2.462GHz, 5.15 ~ 5.35GHz, 5.725 ~ 5.825GHz
- 2.400 ~ 2.483GHz

**Europe:**
- 2.412~2.472GHz, 5.15~5.35GHz, 5.47~5.725GHz
- 2.400 ~ 2.483GHz

**Japan:**
- 2.421~2.484GHz, 5.15~5.25GHz
- 2.400 ~ 2.483GHz

**China:**
- 2.412~2.484GHz, 5.725~5.85GHz
- 2.400 ~ 2.483GHz

**Channels:**
- **802.11a (Normal mode):**
  - 12 non-overlapping channels (5.15~5.35GHz, 5.725~5.825GHz)
- **Europe:**
  - 19 non-overlapping channel (5.15~5.35GHz, 5.47~5.725GHz)
- **Japan:**
  - 4 non-overlapping channels (5.15 ~ 5.25GHz)
- **China:**
  - 5.725 ~ 5.85 GHz

**Modulation Technique:**
- 802.11b/g:
  - DSSS (DBPSK, DQPSK, CCK)
  - OFDM for data rate > 20 Mbps
- 802.11a:
  - OFDM (BPSK, QPSK, 16-QAM, 64-QAM)

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

**Antenna:**
- Integrated Patch Antenna

**Operation Voltage:**
- 3.3V +/- 5%

**Power Consumption:**
**802.11a:**
- Continuous TX: 440~460mA @15dBm
- Continuous Rx: 310~330mA
- FTP Tx: 480~500mA
- FTP Rx: 420~440mA
- Standby mode: 320~340mA
- Power saving mode: 40mA

**Output Power:**
- 802.11a:
  - 17dBm@5.15-5.35GHz and 18dBm@5.725-5.825GHz
- 802.11b/g:
  - 17 dBm

**Operation Distance:**
**802.11a:**
- Up to 1,672 feet
**802.11b/g:**
- Up to 1,689 feet
- Up to 1,722 feet

**Operation Systems:**
- Windows 98SE, ME, 2K, XP

**Compliance:**
- Wi-Fi Compliant
- Microsoft WHQL ME, 2K, XP
- FAA
- S/W audio On/Off support
- EMC certificate
- FCC part 15 (USA)
- IC RSS210 (Canada)
- Telec (Japan)
- ETSI, EN301 893, EN60950 (Europe)

**Operation Temperature:**
- 0°C ~ 70°C

**Storage Temperature:**
- -20°C ~ 80°C

**Dimensions:**
- 4.625” x 2.125” x 0.375”

**Weight:**
- 0.04 lbs.