Suitable for home and/or office, the EZ Connect™ g 2.4GHz 54Mbps Wireless Ethernet Bridge (SMC2870W) instantly converts any Ethernet device, such as a gaming console, printer, set-top box, point-of-sale terminal, desktop or laptop computer into a wireless network device. In addition, this new product can be configured to operate as an Access Point and has built-in Repeater functionality via support for Wireless Distribution System (WDS). Thus allowing you to connect your 802.11b and/or 802.11g clients to the wireless network or extend the coverage of your WLAN in your home or office by simply placing additional SMC2870Ws in the desired locations. The Repeater capability of SMC2870W forwards wireless signal between a wireless client and another SMC2870W that is connected to the wired network. It extends the range of your existing wireless network while overcoming obstacles that block wireless signals such as walls and doors. The new SMC2870W is the ultimate convenient way to expand your wireless local area network.

To ensure secure transmissions across your wireless network, users can enable 64/128-bit Wired Equivalent Privacy (WEP), Wi-Fi Protected Access (WPA), disable SSID broadcast, and MAC address filtering. The SMC2870W is the Industry’s First Wireless-to-Ethernet Bridge to support WPA. In addition, the EZ Connect™ g 2.4GHz 54Mbps Wireless Ethernet Bridge offers an auto-fallback feature that provides scalable connectivity under noisy environments and enables a larger wireless operating range.

The new SMC2870W 2.4GHz 54Mbps Wireless Ethernet Bridge is easy and simple to install. It is Plug-and-Play™ and platform independent. The new product does not require installing any drivers. Simply plug it into your Ethernet device and your Ethernet device will become wireless! It is able to communicate in Ad-Hoc mode (Peer-to-Peer) with another 802.11b wireless client or in Infrastructure mode, which requires an Access Point for communication to the wired network. This means you now have the freedom to place your printer anywhere in the home or office or to play games with multiple players over a wireless connection without the constraint of messy cabling.

**Features**
- EZ Installation Wizard
- Plug-and-Play, no drivers needed
- Converts any Ethernet-equipped device to wireless
- Extends the range of your wireless network
- Supports Repeating (via Wireless Distribution System WDS) and Access Point modes
- IEEE 802.11b, and 802.11g-Compliant
- High Data Rates at up to 54 Mbps
- Adhoc or Infrastructure mode
- 2.4GHz frequency band
- Uses Orthogonal Frequency Division Multiplexing (OFDM) technology
- Supports highly secure wireless connections
- Robust security features include 64-bit/128-bit WEP encryption, 802.1x authentication, Wi-Fi Protected Access (WPA), disable SSID broadcast and MAC address filtering
- Simple Creation or Extension of a Wireless Network

**Benefits**
- High Performance 54Mbps is extremely fast and can handle streaming video, multimedia and all other bandwidth-intensive applications
- Advanced security through 64-bit/128-bit WEP encryption, 802.1x authentication, Wi-Fi Protected Access (WPA), disable SSID broadcast and MAC address filtering to protect your information and to ensure secure data transmissions
- Extends the range of your existing wireless network while overcoming obstacles that block wireless signals such as walls and doors
- Provides high speed wireless communication at up to 54 Mbps; 802.11g compliance allows seamless interoperation among multiple vendors
- Ability to scan for all available Access Points on the wireless network
- Instant access for any Ethernet network device, such as a gaming console, printer, set-top box, desktop or laptop computer to obtain shared information without the need to plug in
- Simple and easy installation by using the convenient Web or Windows-based (Windows 98SE/Me/2000/XP) configuration utility
- Supports configuration via a Telnet interface

**Compatibility**
- IEEE 802.3, 802.3u
- IEEE 802.11b
- IEEE 802.11g
- Platform independent
- Windows 98SE/Me/2000/XP

**Model Number:** SMC2870W
**EZ Connect™ g**

*2.4GHz 54 Mbps Wireless Ethernet Bridge*

**SMC2870W**

**Standards:**
- 802.3, 802.3u
- 802.11b
- 802.11g

**Modulation Type:**
- BPSK, QPSK, DBPSK, DQPSK, CCK,
- 16QAM, 64QAM

**Operating Channels:**
- 11 channels (US, Canada)
- 13 channels (ETSI)
- 14 channels (Japan)

**Radio Technology:**
- Direct Sequence Spread Spectrum
- Orthogonal Frequency Division Multiplexing

**Security:**
- 64-bit/128-bit Wired Equivalent Privacy (WEP)
- Wi-Fi Protected Access (WPA)
- 802.1x authentication
- Disable SSID Broadcast
- MAC Address Filtering

**Data Rates:**
- 802.11b: 1/2/5.5/11 Mbps
- 802.11g: 6/9/12/18/24/36/48/54 Mbps

**Output Power:**
- 17±1dBm

**Receive Sensitivity:**
- 802.11b
  - 1Mbps: -91dBm
  - 2Mbps: -88dBm
  - 5.5Mbps: -85dBm
  - 11Mbps: -83dBm
- 802.11g
  - 6Mbps: -88dBm
  - 9Mbps: -87dBm
  - 12Mbps: -84dBm
  - 18Mbps: -82dBm
  - 24Mbps: -79dBm
  - 36Mbps: -75dBm
  - 48Mbps: -69dBm
  - 54Mbps: -68dBm

**Interface:**
- 10/100 Mbps RJ-45 port

**Antennas:**
- Two external dipole antennas

**LEDs:**
- Power
- Transmit / Receive (Wireless)
- Transmit / Receive (Wired)

**AC Input:**
- 100-240V 1A

**DC Output:**
- 5V 2A

**Operating Temperature:**
- -20°C to 40°C (-4°C to 104°C)

**Storage Temperature:**
- -25°C to 70°C (-13°C to 158°C)

**Humidity:**
- -20°C to 40°C (-4°C to 104°C)

**Compliance:**
- FCC part 15 subpart C (15.247) and Class B
- ETSI 300-328/301-489-17 (General EMC requirement for RF equipment)
- Industry Canada
- IDA for Singapore
- CE mark

**Dimensions:**
- 161mm x 30mm x 119mm

**Weight:**
- 195g (6.87oz)

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