

Data Sheet

EZ Connect™ g SMC2870W



2.4GHz 54 Mbps Wireless Ethernet Bridge

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 autofallback 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 and Benefits

High Performance & Functionality

- 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

Compatibility

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

Product	Model No	Description
EZ Connect™ g	SMC2870W	2.4GHz 54 Mbps Wireless Ethernet Bridge

www.smc-europe.com www.smc.com

SMC[®]
Networks

Specifications

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:

- -20C° to 40C° (-4C° to 104C°)

Storage Temperature:

- -25C° to 70C° (-13C° to 158C°)

Humidity:

- 5% to 95% (non-condensing)

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)

EZ Connect™ g SMC2870W

2.4GHz 54 Mbps Wireless Ethernet Bridge



SMC Networks Europe

Head Office

Edificio Conata II
Fructuós Gelabert 6-8 Planta 2
08970 - Sant Joan Despi
Barcelona
Spain
Telephone: +34 93 477 4920
Facsimile: +34 93 477 3774

SMC Networks Central Europe

Telephone: +49 (0) 89 92861-0
Facsimile: +49 (0) 89 92861-230

SMC Networks CIS

74, marshala Zhukova ave.
Moscow 123103 Russia
Telephone: +7 095 789 35 73
Facsimile: +7 095 789 35 73

SMC Nordic and Baltic

Telephone: +45 (0) 566 62283
Facsimile: +45 (0) 566 62286

SMC Networks Eastern Europe

Telephone: +420 607 96 6699
Facsimile: +420 235 36 3905

SMC Networks Italia

Telephone: +39 348 706 90 65

SMC Networks Netherlands

Telephone: +31 627 075227
Facsimile: +31 334 557 330

SMC Networks Ireland

Telephone: +353 61 34 0675
Facsimile: +353 61 34 0675

SMC Networks Sweden

Telephone: +46 (0)8 687 0700
Facsimile: +46 (0)8 87 62 62

SMC Networks North West Africa

Telephone: +216 71 23 66 16
Facsimile: +216 71 75 14 15

SMC Networks Sub-Saharan Africa

Telephone: +27 012 661 0232

SMC Networks South-East Europe

Telephone: +49 (0) 89 74 08 00 80
Facsimile: +49 (0) 89 74 08 00 81

SMC Networks Southern Europe

Telephone: +33 (0) 1 41 38 32 32
Facsimile: +33 (0) 1 41 38 01 58

SMC Networks Spain and Portugal

Telephone: +34 (0) 636 2043
Facsimile: +34 (0) 636 2044

SMC Networks United Kingdom

Telephone: +44 (0) 1932 86 6553

SMC[®]
Networks