



Wireless

SMCWEBT-G
EZ Connect™ 802.11g 108Mbps Wireless to Ethernet Bridge



OVERVIEW

Suitable for home and/or office, the EZ Connect™ g 2.4GHz 108Mbps Wireless Ethernet Bridge (SMCWEBT-G) 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 SMCWEBT-Gs in the desired locations. The Repeater capability of SMCWEBT-G forwards wireless signal between a wireless client and another

SMCWEBT-G 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 SMCWEBT-G 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 SMCWEBT-G is the Industry's First Wireless-to-Ethernet Bridge to support WPA. In addition, the EZ Connect™ g 2.4GHz 108Mbps Wireless Ethernet Bridge offers an autofallback feature that provides scalable connectivity under noisy environments and enables a larger wireless operating range. The new SMCWEBT-G 2.4GHz 108Mbps 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/g 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	BENEFITS
EZ Installation Wizard	EZ Installation Wizard ensures simple and easy setup of the new 802.11g 108Mbps PCI Wireless Adapter High Performance 108Mbps is extremely fast and can handle streaming video, multimedia and all other band width-intensive applications advanced security through 64/128-bit WEP encryption, Wi-Fi Protected access (WPA), 802.1x to authenticate appropriate personnel to access network resources
IEEE 802.11g and 802.11b compliant	Backward compatibility to existing 802.11b standard means that you can use the new Wireless PCI Card at home, office and even at hotspots where the popular 2.4GHz wireless networks are deployed
High data rates at up to 108 Mbps	The new improved SMPCIT-G significantly increases the performance of mixed-mode (802.11b and 802.11 g) networks and 802.11g-only networks - up to 3x more throughput in mixed-mode networks and up to 50% throughput improvement in 802.11g-only networks
2.4GHz frequency band	It also increases the range and provides extended coverage in your home or office
Uses Direct Sequence Spread Spectrum (DSSS) and Orthogonal	Profile management lets you create and save multiple profiles for different wireless network settings
Frequency Division Multiplexing (OFDM) technology	Site survey utility scans for all available Access Points on the wireless network
Supports major Windows operating systems	Supports Windows 98SE/ME/2000/XP
Ad-hoc or Infrastructure mode	
64-bit and 128-bit WEP encryption, Wi-Fi Protected Access (WPA), 802.1x for authentication Site survey utility	
Ability to define multiple Profile settings	



TECHNICAL SPECIFICATIONS

SMCWEBT-G

COMPATIBILITY

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

SPECIFICATIONS

- IEEE802.3u
- IEEE802.11b
- IEEE802.11g

LAN PORT

- One 10/100Mbps Ethernet LAN port

RESET BUTTON

- Soft Reset and Reset to factory defaults. The reset button acts as:
- Reboot: by pushing 2 second.
- Back to factory default settings: by pushing 8 seconds

CONFIGURATION SWITCH

Optional hardware switch to select among 3 different modes:

- Access Point Mode
- Repeater Mode
- Ethernet Client Mode

ANTENNA

- One internal antenna and one external removable antenna

POWER SUPPLY

- 5V, 1.0A

OUTPUT POWER

- 802.11b: 20dBm (typical)
- 802.11g: 19dBm

RECEIVE SENSITIVITY

- 802.11b: -90dBm
- 802.11g: -88dBm @6Mbps, -70dBm@54Mbps

FLASH

- 2MB (common design with 1MB, 4MB and 8MB)
- SDRAM
- 8MB (common design with 4MB, 32MB)

SUPPORTED MODES

- AP
- Repeater
- Ethernet Client

AP FEATURES

- Extended range
- MAC Cloning
- Security
- WEP 64/128 bit encryption
- WPA -802.1x
- WPA2 (TKIP/AES)
- MAC Address Filtering
- Supports Hidden SSID

REPEATER FEATURES

- WDS
- Security
- WEP64/128/152 bit encryption over WDS
- WPA-PSK over WDS

ETHERNET CLIENT FEATURES

- Site survey
- Security
- WEP64/128/152 bit encryption
- WPA-PSK

MANAGEMENT

- Web based configuration
- Firmware upgradeable
- SNMP v2c (or v3) - 802.11, 802.1x, User Session MIBs
- Telnet
- TFTP

NON-OPERATIONAL CONDITIONS

- Ambient temperature: -40°C to +70°C
- Relative humidity: 5-95%.

OPERATIONAL CONDITIONS

- Supply voltage of external power supply: input 110 VAC (optional 220V), 50/60 Hz; output 6VDC,1A
- Ambient temperature: 0°C to +40°C
- Relative humidity: 95% max

Contact

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