

WRTC-100GW

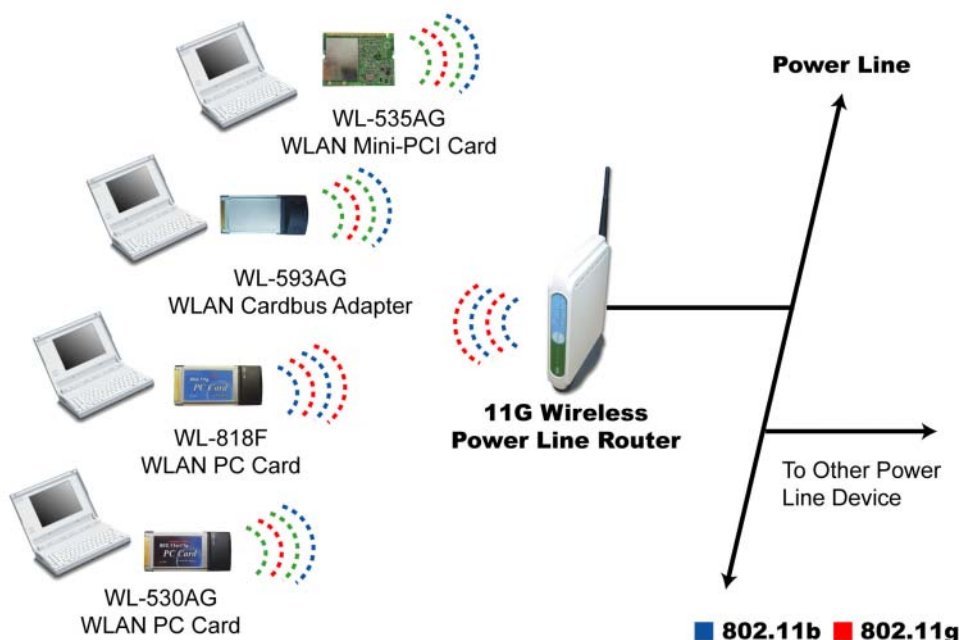
11G Wireless Power line Router



Gemtek WRTC-100GW 11G Wireless Power line Router is a multi-function device providing following services: IP Sharing and 4 port switching, 11b/g wireless access, power line adapter. It connects to a cable or DSL modem providing Internet connectivity to both wired and wireless computers. It supports up to 252 clients. Up to 16 of the 252 clients can be wireless.

The **Network Address Translation (NAT)** feature allows 64 clients to simultaneously communicate out to the Internet. The firewall features included in the router control Internet access and protect your network. 802.11g is the standard with throughput speeds of up to 54Mbps and advanced Orthogonal Frequency Division Multiplexing (OFDM). Powerline Interface includes a standards-compliant Powerline adapter. This allows all your network users - either wired or Powerline - to communicate with each other.

- Fully compliant with Homeplug Power line Alliance Industry Specification V1.0
- Fully compliant with Wi-Fi / 802.11b Client Devices
- Delivering the fastest possible data rate defined by the 802.11g specification
- Support 802.1X enhanced security with EAP-MD5 and EAP-TLS framework
- IP sharing feature allows multiple stations to access the internet using a single broadband
- System configuration and firmware upgrades available via web browser



With a web-based UI (User Interface), the WRTC-100GW is easy to setup and maintain. All functions can be configured with the UI via web browsers.

General Specifications

Product Name 11G Wireless Power line Router	Security 64/128-bit WEP
Model Number WHRTC-100GW	802.1x (port-based security with RADIUS) WPA / WPA-PSK (TIP, AES, TIP+AES)
Spreading 802.11b : DSSS 802.11g : OFDM	56-bit DES Encryption
Frequency Range 2.4GHz~2.4835GHz <i>(subject to local regulations)</i>	LED Indicators 1 WLAN_TX/RX LED (WIRELESS LAN) 4 SWITCH LAN PORT LED 1 SWITCH WAN PORT LED
Number of Channels USA, Canada and Taiwan – 11 Most European Countries – 13	2 HOMEPLUG(Activity/Collision) LED 1 POWER LED
Data Rate 802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps	Antenna 2dBi gain
Standards IEEE 802.11b for Wireless LAN IEEE 802.11g for Wireless LAN IEEE 802.3, IEEE 802.3u for Wired LAN IEEE 802.1X Homeplug Powerline Alliance Industry Specification V1.0	Dimension(LXWXH) 198 mm x 160 mm x 33 mm
Network Protocol TCP/ IP, IPX, UDP, DHCP Client, DHCP Server	Weight 190 g
Power Specification Receive Sensitivity 11Mbps: 10-5 BER @ -80 dBm, typical 54Mbps: 10-5 BER @ -65 dBm, typical Transmit Power Normal Temp Range: 13.5+_1.5 dBm	Temperature Range Operating Temperature 0° to 40° C Storage Temperature -20° to 65° C Humidity Operating Humidity 10% to 85%
	(Non-Condensing) Storage Humidity 5% to 90%
	(Non-Condensing) Power Input: AC 120V, 0.1A, 50/60Hz