



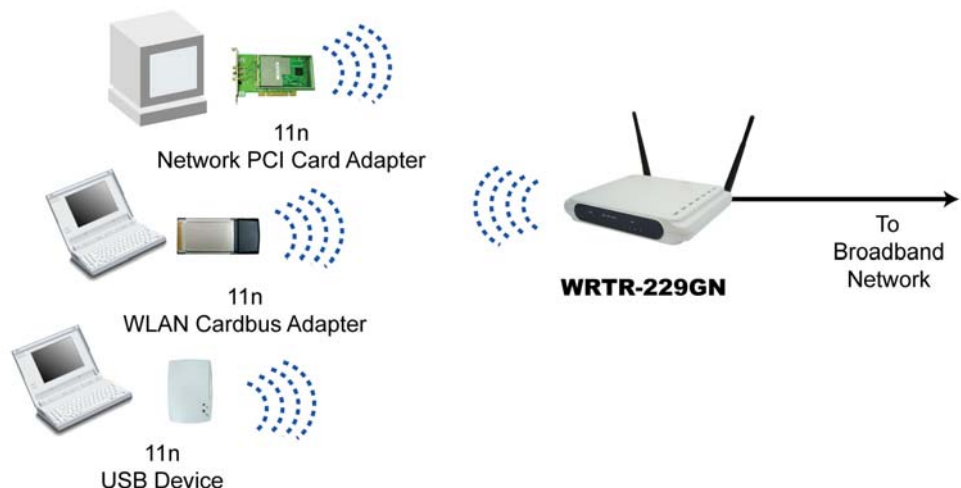
## WRTR-229GN 802.11n 2x2 Router

Gemtek 802.11n 2x2 Router, with latest Draft 802.11n technology that delivers up to 300Mbps wireless, provides multi-functional capabilities, particularly the high-performance throughput and high-quality security to propose an integrated, thorough SOHO solution. Incorporating four 10/100 Ethernet ports and Wireless (802.11b/g/n) networking device, Gemtek 11n 2x2 Router enables your whole network sharing a high-speed cable or DSL Internet connection.

The incredible speed of Router makes it ideal for media-centric applications like streaming video, gaming, and Voice over IP telephony, ensure optimum performance and maximum coverage with three external antennas. Each LAN port supports 100 Base-T Networks with auto sensing and switching compatibilities.

Gemtek 11n 2x2 Router offers easy configuration for home networking structure. The powerful 802.11 2x2 Router, presents wireless network to your home of high functionality, security, and flexibility.

- **The 802.11n Draft 2x2 router can provide a high-performance throughput up to 300Mbps.**
- **Multiple In, Multiple Out" (MIMO) technology multiplies the effective data rate. Increase the range and reduce "dead spots" in the wireless coverage area**
- **Conforms to IEEE 802.11b/g standards, and compliant to draft 802.11n specifications**
- **Wireless security supports WPA/WPA2-PSK/RADIUS & 64/128-bit WEP Encryption**
- **Maximizes the performance and ideal for media-centric applications like streaming video, gaming and Voice over IP technology.**
- **Easy configuration for home user setup**



# General Specifications

<b>Product Name</b> 802.11n 2x2 Router	<b>Link Rate</b> Up to 300Mbps in 40MHz Channel Mode Up to 150Mbps in 20MHz Channel Mode
<b>Model Number</b> WRTR-229GN	<b>Receive Sensitivity</b> 11Mbps @ -90dBm 54Mbps @ -72dBm Typical 300Mbps @ -66dBm
<b>Frequency Range</b> 2.400 ~ 2.4835GHz (subject to local regulations)	<b>Management</b> Log-in protection Web-based firmware upgrade Status display Access Control List MAC/Protocol/Port/WEB Filtering QoS WMM
<b>Number of Channel</b> USA and Canada – 11 Most European countries – 13 Japan – 14	<b>Connectivity</b> WAN Port – DHCP Client, Static IP, PPPoE, PPTP LAN Port – DHCP Server , DHCP enable/disable PPTP/L2TP pass through
<b>Data Rate</b> 802.11b 11,5.5, 2, 1 Mbps per channel, auto fallback For extended range 802.11g 54, 48, 36,24,18,12, 9, 6 Mbps per channel, auto fallback for extended range 802.11n Data Rate automatic fallback to 270, 240, 200, 180, 145, 120, 100, 54, 48, 36, 24, 18, 12,11, 9, 6, 5.5, 2Mbps and 1Mbps	<b>LED Indicators</b> WLAN, internet , LAN Activity, Security and Power
<b>Security</b> Password protection WPA,WPA-PSK,WPA2,WPA2-PSK 64,128 WEP IEEE 802.1x IEEE 802.1i – WPA and TKIP Stateful Packet Inspection (SPI) firewall Multiple VPN( IPSec/PPTP/L2TP) pass-through	<b>Ports</b> RJ-11/45 WAN port 10/100 Mbps Wired LAN ports * 4
<b>Protocol Support</b> HTTP, IP, TCP, UDP, ICMP, DHCP Client/Server, DNS, NAT, ARP,RIP1/RIP2 802.1d Spanning Tree Prot ( STP ) DMZ(exposed host for gaming) IEEE 802.1d Bridge	<b>Power</b> Output AC : 12V, 1A
<b>Peak gain of Antenna</b> 2dBi gain	<b>Operation Requirement</b> Operating Temp: 0°C to 40°C Storage Temp: -20°C to 60°C Operating Humidity: 10%~85%,(non-condensing) Storage Humidity: 5%~90% , (non-condensing)
<b>Antenna Type</b> 2 detachable reverse SMA antennas	<b>Transmitted power</b> 802.11g: 13.5 +/- 1.5dBm @ normal temp 802.11b: 16 +/- 1.5dBm @ normal temp 802.11n: 13.5 +/- 1.5dBm @ normal temp
<b>Weight</b> TBD	
<b>Dimension(PCBA)</b> 138* 125 *27 mm	