

# WADB-112GN

## High-Speed Wireless-N ADSL2+ router



Gemtek WADB-112GN Wireless ADSL2+ router allows you to share the single account of Internet Access to delivery broadband service such as voice over IP and fast Internet access over ADSL. With build-in NAT, this Router allows up to 253 users on the Ethernet LAN simultaneously and up to 16 users on the 802.11n draft 1.0 Wireless LAN simultaneously. 802.11n is the standard with throughput speeds of up to 300Mbps and advanced Orthogonal Frequency Division Multiplexing (OFDM). Offering several levels of security.

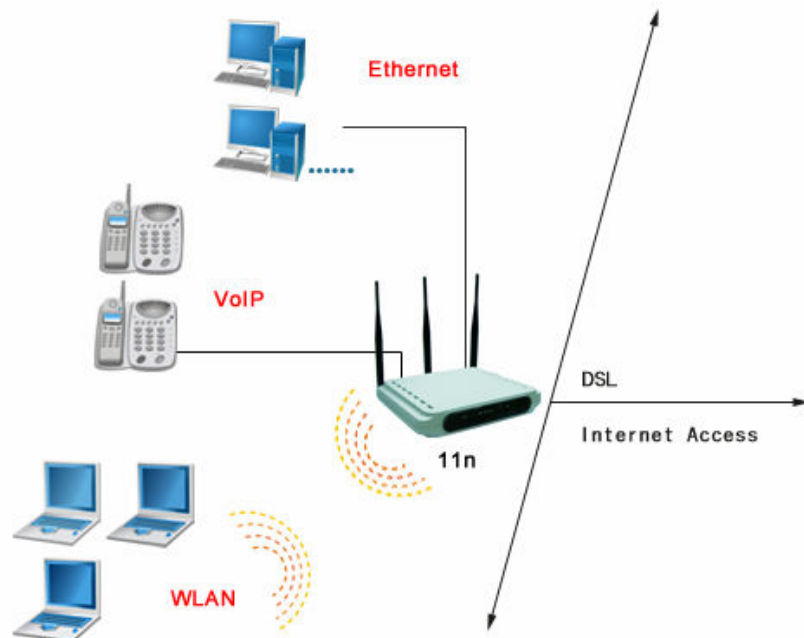
- Fully compliant with ANSI T1.413 Issue 2, ITU G.992.1, ITU G.992.2, ITU G.992.3, ITU G.992.5 and ITU G.994.1

In case of home usage, WADB-112GN acts as a router for Internet connection sharing. You can connect the Wireless ADSL Router to your Internet connection directly or connect to existing LAN by WAN port. The wireless gateway can share the network with your computers by wired LAN and wireless LAN.

With a web-based UI (User Interface), the WADB-112GN is easy to setup and maintain. All functions can be configured with the UI via web browsers.

- Conforms to IEEE 802.11b/g standards, and compliant to draft 802.11n specifications

- Support 802.1X enhanced security with EAP-MD5 and EAP-TLS framework



# General Specifications

- IP sharing feature allows multiple stations to access the internet using a single broadband

- System configuration and firmware upgrades available via web browser

<b>Product Name</b> 11G/N Wireless ADSL2+	<b>Transmit Power</b> +18dBm (Maximum) for WLAN +14dBm (Maximum) for ADSL
<b>Model Number</b> WADB-112GN	<b>Voice features</b> N/A
<b>Spreading</b> 802.11b : DSSS 802.11g : OFDM	<b>Gateway</b> NAT, DHCP server, Port forwarding, Firewall 802.1d Spanning Tree Protocol (STP)
<b>Frequency Range</b> 2.4GHz~2.4835GHz (subject to local regulations)	<b>LED Indicators</b> ETHERNET LAN Activity ( LINK / ACT ) WLAN Activity ( LINK / ACT ) PPP Session / DSL Link VoIP Ready/Ack Power
<b>Number of Channels</b> USA, Canada and Taiwan - 11 Most European Countries - 13	<b>Antenna</b> 2 dBi and 3 antenna
<b>Standards</b> IEEE 802.11g / 11n draft 1.0 for Wireless LAN IEEE 802.3 for Wired LAN ANSI T1.413 Issue II for ADSL ITU G.992.1 ( G.DMT ) for ADSL ITU G.992.2 ( G.lite ) for ADSL ITU G.992.3 ( ADSL2 ), Annex J,K ( SADSL ), Annex L (RE-DSL) ITU G.992.5 (ADSL2+) ITU G.994.1 ( G.HS ) for ADSL	<b>Dimension</b> Workingsample:200mmx150mm (approximately)
<b>Network Protocol</b> TCP/IP, IPX/SPX, NetBEUI, DHCP Client PPTP, NetBIOS RFC2516 PPP over Ethernet (Option) RFC2684 Bridged IP over ATM RFC1577 Classical IP over ATM RFC2364 PPP over ATM AAL5 AAL5 UBR & CBR	<b>Weight</b> Working sample only
<b>Security</b> 64/128-bit WEP 802.1x (port-based security with RADIUS) MAC address filtering Association Clients Control WPA / WPA-PSK (TKIP, AES, TKIP+AES)	<b>Ports</b> 4 Ethernet ports to 10/100 (Automatic MDI/MDI-X crossover) 1 RJ-11 twisted pair DSL line 1 USB 1.1 host for file sharing or print server
<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>Temperature Range</b> 0~40°C(operating), -20~65°C (storing)
	<b>Humidity</b> 15%~95%
	<b>Power Adapter</b> Input: AC 120/230V, 0.165A, 60/50Hz Output AC 15V, 1A