



WUBR-194GN

802.11n Draft 2.0 WLAN USB Dongle

- **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 & 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**

The Gemtek WUBR-194GN Wireless USB adapter is the next generation client using draft IEEE 802.11n technology. The client operates on the 2.4GHz frequency conforming to the IEEE 802.11b/g/n draft 2.0 standards. The client's 2x2(TX/RX) antenna configuration offers breakthrough Wi-Fi network performance and reliability. The card is designed to work with USB 2.0 bus-powered compliant system. The adapter's software driver and utility operate on Microsoft's Windows 2000, XP and Vista 32/64-bit. The product is designed for the home and small office and will be available through major retailers and online retailers.

Once you're connected, you can keep in touch with your e-mail, access the Internet, and share files and other resources such as printers and network storage with other computers on the network, wherever you wander. You'll be able to connect with any of the growing number of public hotspots springing up in coffee shops, airport lounges, hotels and convention centers. At home, you can surf the web or use instant messaging to chat with friends while sitting out on the patio. Your wireless connection can be protected by 64/128-bit WEP and powerful WPA/WPA2 wireless security. The included Setup Wizard will walk you through configuring the adapter to your network's settings, step by step.



General Specifications

Product Name 802.11n WLAN USB Dongle	Receive Sensitivity 11Mbps @ -85dBm Typical +/- 2dB 54Mbps @ -72dBm Typical +/- 2dB 300Mbps @ -65dBm +/- 2dBm
Model Number WUBR-194GN	
Frequency Range 2.400 ~ 2.4835GHz (subject to local regulations)	Power Consumption 802.11b Continue TX: 430@5V Continue RX: 260@5V 802.11g Continue TX: 320@5V Continue RX: 260@5V 802.11n HT20 Continue TX: 410@5V Continue RX: 260@5V 802.11n HT40 Continue TX: 410@5V Continue RX: 260@5V
Number of Channel USA and Canada – 11 Most European countries – 13 Japan – 14	
Data Rate 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(20MHz) MCS0~15, up to 144Mbps 802.11n(40MHz) MCS0~15, up to 300Mbps	Transmitted power 802.11b: 16 +/- 1.5dBm @ normal temp 802.11g: 14 +/- 1.5dBm @ normal temp 802.11n: 10 +/- 1.5dBm @ normal temp
Security WPA, WPA-PSK, WPA2, WPA2-PSK 64, 128 WEP IEEE 802.1x IEEE 802.1i – WPA and TKIP	LED Indicators Wireless activity
Spreading 802.11b Direct Sequence Spread Spectrum (DSSS) 802.11g Orthogonal Frequency Division Multiplexing (OFDM) 802.11n Orthogonal Frequency Division Multiplexing (OFDM) multiple-input/multiple-output (MIMO)	Protocol Support TCP/IP, IPX, NDIS4, and NDIS5x
Modulation 802.11b CCK, QPSK, BPSK 802.11g 64 QAM, 16 QAM 802.11n 64 QAM, 16 QAM, QPSK, BPSK	Power 5V ± 5%
Peak gain of Antenna 1dBi	Operation Requirement Operating Temp: 0°C to 55°C Storage Temp: -20°C to 70°C Operating Humidity: 10%~85%, (non-condensing) Storage Humidity: 5%~90% , (non-condensing)
Link Rate Up to 300Mbps in 40MHz Channel Mode Up to 150Mbps in 20MHz Channel Mode	