

WMIR-263N

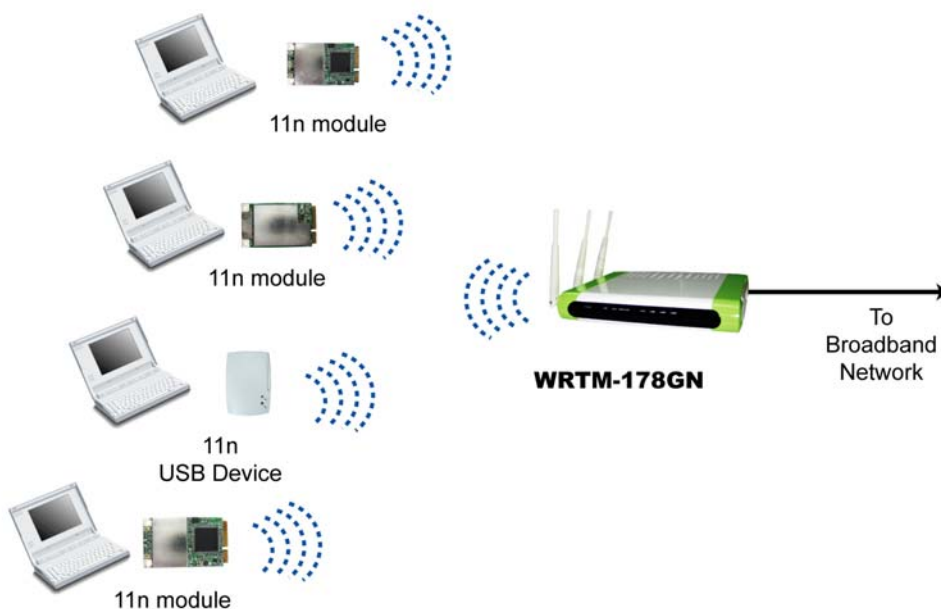
802.11 b/g/draft2.0 n 2x3 WLAN PCIe Mini Card



- **PCI Express interface**
- **High-Speed Mode at 300 Mbps**
- **Seamless roaming from cell to cell and between 802.11g/b to 802.11n**

Gemtek Technology Co., Ltd. introduces a next generation WLAN PCIe Mini card. The Wireless Mini Card is complied with IEEE 802.11g/b standards and 802.11n draft 2.0 and operates on 2.4GHz frequencies. It can be used to provide up to 300Mbps for IEEE 802.11n draft 2.0, or 54Mbps for IEEE 802.11g, or 11Mbps for IEEE 802.11b to connect your wireless LAN. The module features draft-802.11n-compliant radio in 2x3 (TX/RX) configuration offering performance and enhanced coverage to typical WiFi network. The card's software driver and utility operate on Microsoft's Windows 2000, XP x86/64-bit & Vista x86/64-bit (Only the driver operates on Windows Vista).

With seamless roaming, fully interoperability and advanced security with WEP standard, WMIR-263N offers interoperability with different vendors' Access Points through the wireless LAN.



General Specifications

Product Name 802.11 b/g/draft2.0 n 2x3 WLAN PCIe Mini Card	Network mode Infrastructure and Ad Hoc
Model Number WMIR-263N	Software support Windows 2000, XP x86/64-bit & Vista x86/64-bit
Network Standards IEEE 802.11n draft 2.0, IEEE 802.11b and IEEE 802.11g	Configuration Utility Configuration tray & Zero configuration for Window XP
Frequency Range 2.400GHz~2.497GHz <i>(subject to local regulations)</i>	Security 64 / 128 bit WEP encryption; AES engine support CCM 802.11i WPA: 802.1x. WPA-PSK and TKIP WPA2 802.11i
Number of Channels USA, Canada and Taiwan – 11 Most European Countries – 13 Japan – 14	Antenna Three antennas allowing transmission or reception on both simultaneously
Data Rate 802.11b: 11, 5.5, 2, 1Mbps 802.11g: 54, 48,36,24,18,12,9,6 Mbps 802.11n: Tx = MCS 0~15 RX = MCS 0~15	Power consumption TX: 650mA @ 2TX (Maximum) RX: 450mA @ 3RX (Maximum)
Modulation 802.11b: CCK, QPSK, BPSK 802.11g: 64-QAM, 16-QAM 802.11n: 64-QAM, 16-QAM, QPSK, BPSK	LED Indicators RF Activity and Radio Stage indicator
RF Transmit Power 802.11b_11Mbps: 17.5 dBm@1TX 802.11g_54Mbps: 13 dBm@1TX 802.11n_300Mbps: 16 dBm@2TX	Operating Voltage DC 3.3V +/- 10%
Received Sensitivity -85dBm @ 802.11b, 11Mbps PER≤8% -75dBm @ 802.11g, 54Mbps PER≤10 -68dBm @ 802.11n, 135Mbps PER≤10%	Dimension 50.8 x 30 x 3.5 mm
Host Interface PCI Express Mini Card	Temperature Range 0 ~ 60°C (Operating), -20~80°C (Storing)
	Humidity 15%~95%