



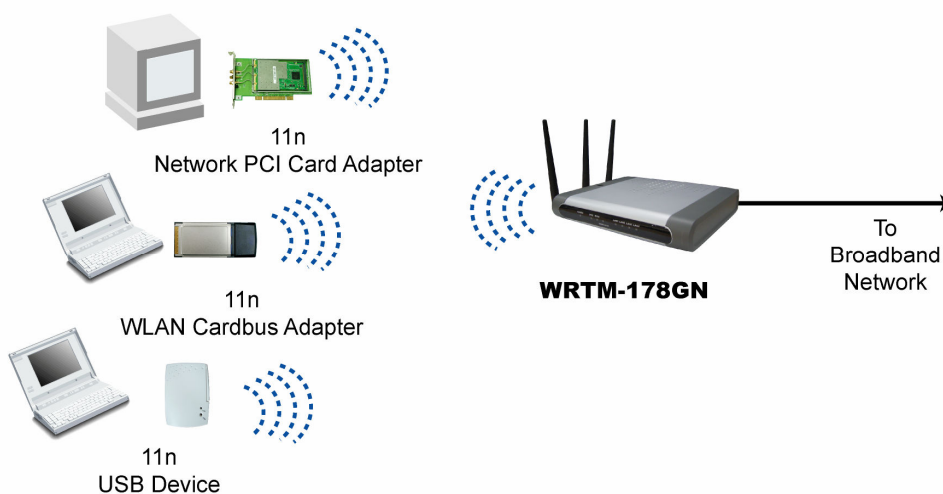
WRTM-178GN 802.11n EWC UltraMAX Router

Gemtek 802.11n EWC UltraMAX Router, with latest Draft 802.11n technology that delivers up to 300Mbps wireless and Ethernet connectivity from 100Mbps to 1Gbps, provides multi-functional capabilities, particularly the high-performance throughput and high-quality security to propose an integrated, thorough SOHO solution. Incorporating four Gigabit Ethernet ports and Wireless (802.11b/g/n) networking device, UltraMAX Router enables your whole network sharing a high-speed cable or DSL Internet connection.

The incredible speed of UltraMAX 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 Gigabit Base-T Networks with auto sensing and switching compatibilities.

UltraMAX Router offers easy configuration for home networking structure. Gemtek ULTRAMAX, the powerful 802.11n EWC UltraMAX Router, presents wireless network to your home of high functionality, security, and flexibility.

- **The 802.11n EWC UltraMAX router can provide a high-performance throughput up to 300Mbps and Ethernet connectivity from 100Mbps to 1Gbps.**
- **"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



Product Name 802.11n EWC UltraMAX Router	Receive Sensitivity 11Mbps @ -86dBm 54Mbps @ -75dBm Typical 300Mbps @ -71dBm
Model Number WRM-178GN	Management Log-in protection Web-based firmware upgrade Status display Access Control List MAC/Protocol/Port/WEB Filtering QoS WMM
Frequency Range 2.400 ~ 2.4835GHz (subject to local regulations)	Connectivity WAN Port – DHCP Client, Static IP, PPPoE, PPTP LAN Port – DHCP Server , DHCP enable/disable PPTP/L2TP pass through
Number of Channel USA and Canada – 11 Most European countries – 13 Japan – 14	LED Indicators RF Activity, internet , LAN Activity, DMZ and Power
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 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	Ports RJ-11/45 WAN port 10/100/1000 Mbps Wired LAN ports * 4
Security 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	Power Output AC : 12V, 1.5A
Protocol Support 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	Operation Requirement Operating Temp: 0°C to 55°C Storage Temp: 0°C to 70°C Operating Humidity: 10%~85%,(non-condensing) Storage Humidity: 5%~90% , (non-condensing)
Peak gain of Antenna 2dBi gain	Transmitted power 802.11g: 16 +/- 1.5dBm @ normal temp 802.11b: 19 +/- 1.5dBm @ normal temp 802.11n: 16 +/- 1.5dBm @ normal temp
Weight TBD	
Dimension 230* 201 * 37 mm	
Link Rate Up to 300Mbps in 40MHz Channel Mode Up to 150Mbps in 20MHz Channel Mode	