



The WT-503G Wireless-G Router offers a simple, secure method to add wireless to your network at a great value. It delivers a wireless speed up to 54Mbps, which is almost five times faster than 802.11b standard. WT-503G is backward compatible with 802.11b standard. In addition, WT-503G features 4 Fast Ethernet (10/100Mbps) ports to support a wired network. For your protection and convenience, WT-503G comes with strong security features and user-friendly configuration utility.

The WT-503G Wireless-G Router is an ideal router for your small office or home. Use this router to surf the Internet, play online games or share office resources. You can achieve significant cost reduction by sharing just one Internet connection among several computers. Getting amazing multimedia applications across your local area network is easier than ever with Encore Wireless-G Router.

The WT-503G Wireless-G Router is an essential component for your high-speed wired and

wireless network. This router features a built-in firewall and WPA and WEP encryption to prevent hacking and intrusion. In addition, Wireless-G Router supports virtual server and virtual pc mapping for extra protection. You can easily configure and install Wireless-G Router using the web-based configuration utility.

## Features

- Complies with IEEE 802.11b/g wireless standards
- 4 x 10/100Mbps Fast Ethernet port for LAN with Auto MDI-X function
- 1 x 10/100Mbps WAN port for ADSL / Cable Modem with Auto MDI-X function
- IEEE 802.11b/g Infrastructure operating modes
- Dynamic data rate scaling at 11, 5.5, 2 and 1Mbps for 802.11b mode
- Dynamic data rate scaling at 54, 48, 36, 24, 18, 12 and 6Mbps for 802.11g mode
- Allow auto fallback data rate for optimized reliability, throughput and transmission range
- Supports wireless data encryption with 64/128-bit WEP standard for security
- Supports enhance security for WPA-PSK, WPA2-PSK, WPA and WPA2
- Web-based configuration tools and management via WEB Browser
- Supports PPPoE/PPTP/L2TP protocol for ADSL
- Supports NAT for share 1 IP address to all LAN user
- Supports DHCP Server / Client
- Supports Firewall protection, Virtual server mapping, Special application setting
- Supports UPnP
- Supports statistics information

## Specifications

### Standards

IEEE 802.11b Wireless LAN

IEEE 802.11g Wireless LAN

IEEE 802.3/IEEE 802.3u Fast Ethernet

ANSI/IEEE 802.3 Auto negotiation

### Network Management

Web base configuration utility via Ethernet

### Channel

USA: Channel 1 ~ 11

### Radio Technology

### Security

Orthogonal Frequency Division Multiplexing (OFDM)		
<b>Transmission Rate</b>	802.11b: 1, 2, 5.5, 11Mbps (auto sense)	WPA, WPA2
	802.11g: 6, 12, 24, 36, 48, 54Mbps (auto sense)	WPA-PSK, WPA2-PSK
<b>Receiver Sensitivity</b>	54Mbps: Typical -70 @ 10% PER (Packet Error Rate)	MAC address filtering
	11Mbps: Typical -85 @ 8% PER (Packet Error Rate)	Protocol filtering
<b>Wireless LAN Frequency Range</b>	2412 ~ 2462 MHz ISM band (channels 1 ~ 14)	Domain filtering
<b>Modulation Schemes</b>	DBPSK/DQPSK/CCK/OFDM	<b>Range Coverage</b>
<b>Media Access Protocol</b>	CSMA/CA with ACK	Indoor: Up to 30 meters (depends on environment)
<b>Transmit Power</b>	802.11b: 18±2dBm typically	Outdoor: Up to 100 meters (depends on environment)
	802.11g: 18±2dBm typically	
<b>Antenna Type</b>	one external 2 dB Gain dipole antenna	<b>Diagnostic LEDs</b>
<b>Protocol</b>	TCP/IP	Power, System
<b>Interface</b>	LAN: 4 x 10/100Mbps Auto-MDIX Ethernet ports	WAN: Link.ACT
	WAN: 1 x 10/100Mbps Auto-MDIX Ethernet port	LAN: Link/ACT
<b>Supported Network Protocols</b>	TCP/IP	WLAN: ACT
	NAT	
	PPPoE/PPTP/L2TP	<b>Power Adapter</b>
	HTTP	5V / 2A
		<b>Operation Temperature</b>
		0 ~ 40 °C
		<b>Storage Temperature</b>
		-10 ~ 70 °C
		<b>Humidity</b>
		10% ~ 95% RH, no condensation
		<b>Certifications</b>
		FCC Part 15.247 for US
		<b>Dimensions (W x H x D)</b>

DHCP Server/Client	150 x 100 x 28 mm (without antenna)
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## Requirements

- Internet Explorer 6.0 or Firefox 1.0
- CD-ROM Drive
- Windows 2000/XP or Vista
- Wired or Wireless\* Network Adapter
- \*For optimum wireless performance, we recommend Widetell Wireless-G adapters

## Package Content

- Wireless-G Broadband Router
- User Guide on CD-ROM
- Ethernet Network Cable
- Quick Install
- Power Adapter

FCC NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY  
RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED  
MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD  
VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

This device complies with Part 15 of the FCC Rules. Operation is subject  
to the following two conditions: 1. This device may not cause harmful  
interference, and 2. This device must accept any interference received,  
including interference that may cause undesired operation.

To maintain compliance with fcc's RF exposure guidelines: This device and its antennas must operate  
with a separation distance of at least 20cm from all persons.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.