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## WL0008 TL-WR542G

### Spotlight

- 54M Wireless LAN Router, 2.4GHz, 802.11g/b, built-in 4-port Switch
- Adopts 2x to 3x eXtended Range™ technology
- Supports access control based on time of day
- Detachable reverse SMA connector Antenna

### Description

The TL-WR542G 54Mbps Wireless Router integrates firewall, NAT-router and Wireless AP. It's design is dedicated to Small Office/Home Office (SOHO) Wireless network solution. The TL-WR542G 54Mbps Wireless Router will allow you to connect your network wirelessly better than ever, sharing Internet Access, files and fun, easily and securely.

With the most attentive wireless security, the TL-WR542G 54Mbps Wireless Router provides multiple protection measures. It can be set to turn off wireless network name (SSID) broadcast so that only stations that have the SSID can be connected. The Router provides wireless LAN 64/128/152-bit WEP encryption security, and WPA/WPA2 and WPA-PSK/WPA2-PSK authentication and TKIP/AES encryption security. It also supports VPN pass-through for sensitive data secure transmission.

The TL-WR542G 54Mbps Wireless Router complies with the IEEE802.11g/b standards and adopts **2x to 3x eXtended Range™ WLAN transmission technology** so that transmission distance is 2-3 times that of traditional 11g/b solutions, up to 855.36m tested in China. Transmission range is extended to 4-9 times. It is compatible with all IEEE802.11g and IEEE802.11b products.

The TL-WR542G 54Mbps Wireless Router provides flexible access control so that parents or network administrators can establish restricted access policies for children or staff. It has built-in NAT and DHCP server supporting static IP address distributing. It also supports Virtual Server and DMZ host for Port Triggering needs, as well as remote management and log so that network administrators can manage and monitor the network on real time.

The TL-WR542G 54Mbps Wireless Router is easy-to-manage. Quick Setup Wizard is supported and friendly help messages are provided for every step. So you can configure it quickly and share Internet access, files and fun.

### Features

- Complies with IEEE802.11g, IEEE802.11b, IEEE802.3, IEEE802.3u standards
- 1 10/100M Auto-Negotiation WAN RJ45 port, 4 10/100M Auto-Negotiation LAN RJ45 ports
- Supports Auto MDI/MDIX

- Adopts 2x to 3x eXtended Range™
- Shares data and Internet access for users, supporting PPPoE, Dynamic IP, Static IP, L2TP, BigPond Cable Internet access
- Supports 54/48/36/24/18/12/9/6/11/5.5/3/2/1Mbps wireless LAN data transfer rates
- Provides 64/128/152-bit WEP encryption security
- Provides WPA/WPA2 and WPA-PSK/WPA2-PSK authentication and TKIP/AES encryption security
- Provides wireless LAN ACL (Access Control List) filtering
- Provides 802.1x authentication for WAN port
- Built-in NAT and DHCP server supporting static IP address distributing
- Supports Virtual Server, Special Application, and DMZ host
- Built-in firewall supporting IP address filtering, Domain Name filtering, and MAC address filtering
- Supports connecting/disconnecting Internet on a specified time of day
- Supports access control base on time of day, parents and network administrators can establish restricted access policies for children or staffs
- Supports TCP/IP, PPPoE, DHCP, ICMP, NAT
- Supports UPnP, Dynamic DNS, Static Routing, VPN pass-through
- Supports Flow Statistics
- Supports ICMP-FLOOD, UDP-FLOOD, TCP-SYN-FLOOD filter
- Ignores Ping packets from WAN or LAN ports
- Supports firmware upgrade
- Supports Remote and Web management

#### Specifications

Protocols and Standards		IEEE 802.11g, IEEE 802.11b, IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.1x, CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE
Ports	LAN	4 10/100M Auto MDI/MDIX RJ45 ports
	WAN	1 10/100M Auto MDI/MDIX RJ45 port
Wireless Parameters	Frequency Band	2.4~2.4835GHz
	Data Transfer Rates	11g: 54/48/36/24/18/12/9/6M (Auto-Sense) 11b: 11/5.5/3/2/1M (Auto-Sense)
	Channel	1~11 (US, Canada) 1~13 (Europe) 1~14 (Japan)
	Extend Frequency	DSSS
	Modulation	BPSK, QPSK, CCK and OFDM (BPSK/QPSK/16-QAM/ 64-QAM)
	Transmission Distance	Indoor up to 100m, outdoor up to 300m (Standard transmission distance, it is limited in an environment). Indoor up to 200m, Outdoor up to 830m (Adopt 2x to 3x eXtended Range™ WLAN transmission technology, it is limited in an environment)
	RF Power	17dBm (Typical)

	Antenna	3dBi Dipole Antenna(detachable reverse SMA connector)
	Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 100BASE-TX: UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m)
LED Indicators	Port	Link/Act
	Else	Power, System, WLAN
	Power	AC power adapter: 9V~ 0.8A Consumption: 7W (Max)
	Safety & Emission	FCC, CE
	Dimensions (W x D x H)	7.3 in. x 5.7 in. x 1.7 in.(186 mm x 146 mm x 44 mm)
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~95% non-condensing