



## 300Mbps Wireless N Gigabit Router TEW-639GR(V1.0R)

The 300Mbps Wireless N Gigabit Router offers unsurpassed wireless speed, coverage and reliability. Enjoy up to 14x the speed and 6x the coverage of a wireless g connection\*.

Gigabit Wide Area Network and Local Area Network ports transfer your data fast. Wi-Fi certification ensures optimal wireless throughput signal strength and compatibility.



Advanced Multiple Input Multiple Output (MIMO) antenna technology eliminates wireless dead spots. Wireless encryption and a manual on/off wireless switch keep your data safe. Wireless Protected Setup (WPS) integrates other WPS supported wireless adapters at the touch of a button. Seamlessly stream HD media, download files, surf and play games at wireless n Gigabit speed.

### FEATURES

- 4 x 10/100/1000Mbps Auto-MDIX LAN ports
- 1 x 10/100/1000Mbps WAN port (Internet)
- Gigabit LAN ports for high speed network **connectivity**
- Compatible with most popular cable/DSL Internet service providers using Dynamic/Static IP, PPPoE, PPTP and L2TP
- High-speed wireless data rates up to 300Mbps using an IEEE 802.11n connection
- 3 external antennas provide high-speed performance and expansive wireless coverage
- Advanced Firewall protection with Network Address Translation (NAT) and Stateful Packet Inspection (SPI)
- Access restriction with Internet Access Control; time scheduling and MAC filtering
- Built-in pre-configured virtual servers and Application Level Gateway services for special Internet applications
- Universal Plug and Play (UPnP) for auto discovery and support for device configuration of Internet applications
- Enable/disable wireless functionality with the WLAN on/off toggle switch
- Multiple pass-through sessions for popular VPN applications (IPSec and PPTP)
- Easy setup via Web browser using the latest versions of Internet Explorer, FireFox, Safari and Chrome
- One-touch wireless security setup using the Wi-Fi Protected Setup (WPS) button when connecting to a WPS supporting device
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) supported
- Complete wireless security with WPA/WPA2, WPA-PSK/WPA2-PSK, and WEP
- Windows 95/98/NT/2000/XP/2003 Server/Vista, Linux and Mac OS supported
- 3- year limited warranty

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### SPECIFICATIONS

Hardware	
Standards	<ul style="list-style-type: none"> <li>Wired: IEEE 802.3 (10Base-T), IEEE 802.3u (100Base-TX) and IEEE 802.3ab (1000BaseT)</li> <li>Wireless: IEEE 802.11b, IEEE 802.11g, IEEE 802.11n</li> </ul>
WAN	<ul style="list-style-type: none"> <li>1 x 10/100/1000Mbps Auto-MDIX port (Internet)</li> </ul>
LAN	<ul style="list-style-type: none"> <li>4 x 10/100/1000Mbps Auto-MDIX port</li> </ul>
Wireless On/Off Switch	<ul style="list-style-type: none"> <li>Turn on/off wireless LAN</li> </ul>
WPS Button	<ul style="list-style-type: none"> <li>Wi-Fi Protected Setup (WPS) with other WPS compliant devices</li> </ul>
Connection Type	<ul style="list-style-type: none"> <li>Dynamic IP, Static (fixed) IP, PPPoE, PPTP, L2TP</li> </ul>
NAT Firewall	<ul style="list-style-type: none"> <li>3K configurable NAT entries; restricted NATP <ul style="list-style-type: none"> <li>IP ranges, port ranges and schedule</li> </ul> </li> <li>Port triggering for 24 special applications</li> <li>ALG support (enable/disable support) –RTP/RTSP, AOL, FTP, ICMP, WMP/MMS, NetMeeting, SIP</li> </ul>
WDS	<ul style="list-style-type: none"> <li>Enable/disable Wireless Distribution System support</li> </ul>
UPnP	<ul style="list-style-type: none"> <li>UPnP IGD 1.0 compliant</li> </ul>
DMZ	<ul style="list-style-type: none"> <li>DMZ host, 24 configurable Virtual Servers and Game Servers</li> </ul>
DNS	<ul style="list-style-type: none"> <li>Static or WAN assigned DNS servers; 4 verified services for DDNS</li> </ul>
Internet Access Control	<ul style="list-style-type: none"> <li>Time based Internet access; port range/service filtering; Internet domain restriction; 32 user defined schedules, 24 MAC address filter entries</li> </ul>
LED Indicator	<ul style="list-style-type: none"> <li>Power, LAN1~LAN4, WAN, and WLAN</li> </ul>
Power Adapter	<ul style="list-style-type: none"> <li>12V DC, 1A external power adapter</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>779mA</li> </ul>
Dimension (L x W x H)	<ul style="list-style-type: none"> <li>180 x 122 x 30 mm (6.8 x 4.6 x 1.1 in)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>350g (0.8 lb)</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>Operation: 0°C~ 40°C (32°F~ 104°F); Storage: -20°C~ 60°C (-4°F~140° F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>Max. 90% (non-condensing)</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>CE, FCC</li> </ul>
Wireless	
Frequency	<ul style="list-style-type: none"> <li>2.412 ~ 2.472 GHz</li> </ul>
Antenna	<ul style="list-style-type: none"> <li>3 x 4dBi fixed dipole antenna</li> </ul>
Module Technique	<ul style="list-style-type: none"> <li>802.11n: BPSK, QPSK, 16QAM,64QAM with OFDM</li> <li>802.11b: CCK (11 and 5.5Mbps) DQPSK (2Mbps) DBSPK (1Mbps)</li> <li>802.11g: OFDM with BPSK, QPSK and 16/64-QAM sub-carrier modulations</li> </ul>
Data Rate	<ul style="list-style-type: none"> <li>802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps</li> <li>802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps</li> <li>802.11n: up to 300Mbps</li> </ul>
Security	<ul style="list-style-type: none"> <li>Encryption: hardware AES/TKIP, 64/128-bit WEP (HEX/ passphrase – 11b/g)</li> <li>802.1X/EAP: EAP-TLE, EAP-TTLE/MSCHAV2, PEAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC</li> <li>WPA: WPA/WPA2, WPA-PSK/WPA2-PSK (AES-11b/g/n, TKIP-11b/g)</li> <li>WPS: support PIN and PBC</li> <li>SSID broadcast control</li> </ul>
Output Power	<ul style="list-style-type: none"> <li>802.11b: 18dBm (typical) • 802.11g: 15dBm (typical) • 802.11n: 12dBm (typical) with HT20 or Ht40</li> </ul>
Receiving Sensitivity	<ul style="list-style-type: none"> <li>802.11b: -84dBm (typical) @ 11Mbps • 802.11g: -72dBm (typical) @ 54Mbps</li> <li>802.11n: -68dBm (typical) with Ht20 -65dBm (typical) with HT40</li> </ul>
Channels	<ul style="list-style-type: none"> <li>1~11 (FCC), 1~13 (ETSI)</li> </ul>

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## NETWORKING SOLUTIONS



### 300Mbps Wireless N Gigabit Router (TEW-639GR)



## PACKAGE CONTENTS

- TEW-639GR
- Multi-Language Quick Installation Guide
- CD-ROM (User's Guide)
- Cat. 5 Ethernet cable (1.5m / 4.9ft)
- Power adapter (12V DC, 1A)

## RELATED PRODUCTS

TEW-624UB	300Mbps Wireless N USB 2.0 Adapter
TEW-642EC	300Mbps Wireless N Express card
TEW-623PI	Wireless N PCI Adapter

## ORDERING INFORMATION

### TRENDnet®

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