



## **N300 Wireless Gigabit Router** **TEW-639GR (V3.0R)**

TRENDnet's N300 Wireless Gigabit Router, model TEW-639GR, offers high performance 300Mbps wireless n networking, Gigabit Ethernet ports, and energy saving GREENwifi technology.

Gigabit Wide Area Network and Local Area Network ports transfer wired data fast. Embedded GREENwifi technology reduces wireless radio power consumption by up to 50%.

Advanced Multiple Input Multiple Output (MIMO) antenna technology eliminates wireless dead spots. Wi-Fi Protected Setup (WPS) connects other WPS supported wireless adapters at the touch of a button. The latest in wireless encryption and a manual on/off wireless radio switch protect your digital network. WMM® Quality of Service technology prioritizes gaming, Internet calls, and video streams. LEDs on the front of the router convey device status. 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)
- 1 x external wireless radio on/off switch (turn off your wireless network when away)
- 1 x external Wi-Fi Protected Setup (WPS) button
- One-touch wireless security setup using the Wi-Fi Protected Setup (WPS) button when connecting to a WPS adapter
- Wireless Distribution System (WDS) support
- 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
- Multiple pass-through sessions for popular VPN applications (IPSec, L2TP and PPTP)
- WMM quality of service support
- Easy setup via Web browser using the latest versions of Internet Explorer, FireFox, Safari, and Chrome
- Advanced wireless encryption up to WPA2-RADIUS
- 3- year limited warranty

# N300 Wireless Gigabit Router

TEW-639GR (V3.0R)

## SPECIFICATIONS

### Hardware

|                                |  |
|--------------------------------|--|
| <b>Standards</b>               | <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> |
| <b>WAN</b>                     | <ul style="list-style-type: none"><li>• 1 x 10/100/1000Mbps Auto-MDIX port (Internet)</li></ul>  |
| <b>LAN</b>                     | <ul style="list-style-type: none"><li>• 4 x 10/100/1000Mbps Auto-MDIX port</li></ul>   |
| <b>Wireless On/Off Switch</b>  | <ul style="list-style-type: none"><li>• Turn on/off wireless LAN</li></ul>   |
| <b>On/Off Power Switch</b>     | <ul style="list-style-type: none"><li>• Electrical power on/off switch (EU version)</li></ul>  |
| <b>WPS Button</b>              | <ul style="list-style-type: none"><li>• Wi-Fi Protected Setup (WPS) automated wireless connection push button</li></ul>  |
| <b>Reset Button</b>            | <ul style="list-style-type: none"><li>• Reset button to Factory Default</li></ul>  |
| <b>Connection Type</b>         | <ul style="list-style-type: none"><li>• Dynamic IP, Static (fixed) IP, PPPoE, PPTP, L2TP</li></ul>   |
| <b>NAT Firewall</b>            | <ul style="list-style-type: none"><li>• 3K configurable NAT entries • IP ranges, port ranges, and schedule • Port triggering for 24 special applications • ALG support</li></ul>                   |
| <b>UPnP</b>                    | <ul style="list-style-type: none"><li>• UPnP IGD 1.0 compliant</li></ul>   |
| <b>DMZ</b>                     | <ul style="list-style-type: none"><li>• DMZ host, 24 configurable Virtual Servers and Game Servers</li></ul>   |
| <b>WDS</b>                     | <ul style="list-style-type: none"><li>• Wireless Distribution System (WDS) networking support</li></ul>  |
| <b>DNS</b>                     | <ul style="list-style-type: none"><li>• Static or WAN assigned DNS servers; 2 verified services for DDNS</li></ul>   |
| <b>Internet Access Control</b> | <ul style="list-style-type: none"><li>• Time based Internet access; port range/service filtering; 32 user defined schedules, 24 MAC address filter entries</li></ul>                               |
| <b>LED Indicator</b>           | <ul style="list-style-type: none"><li>• Power, LAN1~LAN4, WAN, WLAN, WPS</li></ul>   |
| <b>Power Switch</b>            | <ul style="list-style-type: none"><li>• On/Off power switch</li></ul>  |
| <b>Power Adapter</b>           | <ul style="list-style-type: none"><li>• 12V DC, 0.5A external power adapter</li></ul>  |
| <b>Power Consumption</b>       | <ul style="list-style-type: none"><li>• 400mA</li></ul>  |
| <b>Dimension (L x W x H)</b>   | <ul style="list-style-type: none"><li>• 150 x 163 x 26 mm (5.9 x 6.4 x 1.0 in)</li></ul>   |
| <b>Weight</b>                  | <ul style="list-style-type: none"><li>• 350 g (0.8 lb)</li></ul>   |
| <b>Temperature</b>             | <ul style="list-style-type: none"><li>• Operation: 0°~ 40°C (32°F~ 104°F) • Storage: -20°~ 60°C (-4°F~140°F)</li></ul>   |
| <b>Humidity</b>                | <ul style="list-style-type: none"><li>• Max. 90% (non-condensing)</li></ul>  |
| <b>Certifications</b>          | <ul style="list-style-type: none"><li>• CE, FCC</li></ul>  |

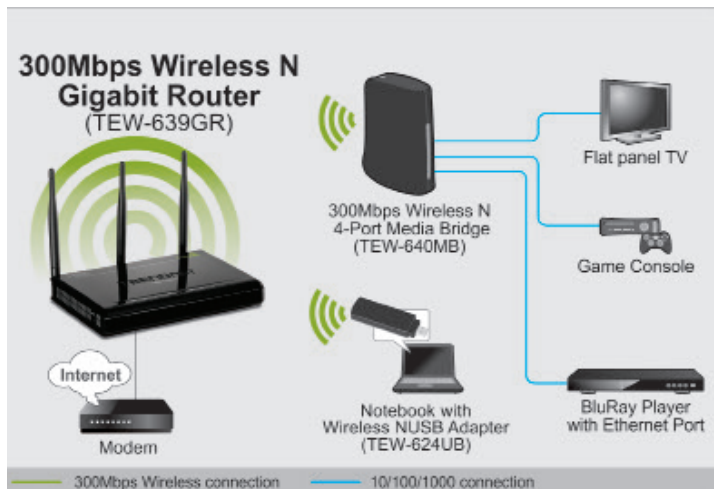
### Wireless

|                              |  |
|------------------------------|--|
| <b>Frequency</b>             | <ul style="list-style-type: none"><li>• 2.412 ~ 2.472 GHz</li></ul>  |
| <b>Antenna</b>               | <ul style="list-style-type: none"><li>• 3 x 4dBi fixed dipole antenna</li></ul>  |
| <b>Modulation</b>            | <ul style="list-style-type: none"><li>• DBPSK/DQPSK/CCK/OFDM (BPSK/QPSK/16-QAM/64-QAM)</li></ul>   |
| <b>Data Rate</b>             | <ul style="list-style-type: none"><li>• 802.11b: up to 11Mbps</li><li>• 802.11g: up to 54Mbps</li><li>• 802.11n: up to 300Mbps</li></ul>   |
| <b>Security</b>              | <ul style="list-style-type: none"><li>• WEP(HEX/ASCII): 64/128-bit</li><li>• WPA(AES/TKIP): WPA/WPA2-RADIUS, WPA-PSK/WPA2-PSK</li></ul>  |
| <b>Access Control</b>        | <ul style="list-style-type: none"><li>• MAC Address Filter (Up to 64 entries)</li></ul>  |
| <b>Output Power</b>          | <ul style="list-style-type: none"><li>• 802.11b: 18dBm (typical)</li><li>• 802.11g: 15dBm (typical)</li><li>• 802.11n: 12dBm (typical)</li></ul>                                 |
| <b>Receiving Sensitivity</b> | <ul style="list-style-type: none"><li>• 802.11b: -84dBm (typical) @ 11Mbps</li><li>• 802.11g: -72dBm (typical) @ 54 Mbps</li><li>• 802.11n: -65dBm (typical) @ 300Mbps</li></ul> |
| <b>Channels</b>              | <ul style="list-style-type: none"><li>• 1~ 11 (FCC), 1~13 (ETSI)</li></ul>   |

# N300 Wireless Gigabit Router

TEW-639GR (V3.0R)

## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

TEW-639GR

Multi-Language Quick Installation Guide

CD-ROM (User's Guide)

Network cable (1.5 m / 4.9 ft)

Power adapter (12V DC, 0.5A)

## RELATED PRODUCTS

|                  |  |
|------------------|--|
| <b>TEW-647GA</b> | Wireless N Gaming Adapter              |
| <b>TEW-640MB</b> | 300Mbps Wireless N 4-Port Media Bridge |
| <b>TEW-687GA</b> | 450Mbps Wireless N Gaming Adapter      |

## CONTACT INFORMATION

**TRENDnet**

20675 Manhattan Place, Torrance, CA 90501 USA

Tel: 1-310-961-5500

Fax: 1-310-961-5511

Web: [www.trendnet.com](http://www.trendnet.com)

Email: [sales@trendnet.com](mailto:sales@trendnet.com)

**1-888-326-6061**