



## N300 Wireless VPN Router

### TEW-659BRV [V1.0R]

The N300 Wireless VPN Router, model TEW-659BRV, provides the ability to define up to 80 Virtual Private Network (VPN) tunnels\*, all while generating a high speed wireless network. IPSec, L2TP, and PPTP VPN pass-through sessions are supported and a configurable firewall ensures the highest level of security.

This router provides powerful 300Mbps wireless connectivity and a WPS button on the front of the router takes that hassle out of connecting to it. Four Fast Ethernet ports on the back of the router help extend a wired network. Advanced Stateful Packet Inspection (SPI) and Network Address Translation (NAT) encryption protects your digital network. Advanced features include GRE tunneling, advanced Quality of Service (QoS) controls, Domain filtering, packet filtering, and more.

## FEATURES

- High-speed wireless data rates up to 300Mbps\*\* using an IEEE 802.11n connection
- 4 x 10/100 Mbps Auto-MDIX LAN ports
- 1 x 10/100 Mbps WAN port (Internet)
- Compatible with most popular cable/DSL Internet service providers using Dynamic/Static IP, PPPoE, PPTP and L2TP protocols
- Firewall protection with Network Address Translation (NAT), Stateful Packet Inspection (SPI), and Denial of Service (DoS) prevention
- Supports up to 80\* PPTP/L2TP/IPsec tunnels
- Supports up to 100 PPTP/L2TP/IPsec VPN pass through sessions
- Supports up to 8 Generic Routing Encapsulation (GRE) tunnels
- Access Control: Virtual Servers, MAC/IP Packet Filters, URL/Keyword Filters, Demilitarized Zone (DMZ) host, and One-to-One NAT
- Set device time using Network Time Protocol (NTP) and define schedules for Wireless, Virtual Server, Packet Filters, and Quality of Service (QoS)
- Broadcast up to 4 SSIDs with different wireless encryption
- Supports Access Point (AP) and Wireless Distribution System (WDS) modes
- Quality of Service (QoS) traffic prioritization via IP/(TCP/UDP) Ports with 3 priority queues and wireless WiFi Multimedia (WMM) support
- Universal Plug and Play (UPnP) for auto discovery and support for device configuration of Internet applications
- Supports Internet Group Multicast Protocol IGMPv1/2 pass through for multicast applications
- Supports static and dynamic RIP v1/2 routing
- Dynamic DNS Client for dynamic Internet IP resolution
- Device monitoring using the Internal System Log, External Syslog, E-mail Alert, and SNMPv1/2c
- Local/Remote management via Web browser, upgrade firmware, and backup/restore configuration
- One-touch Wi-Fi Protected Setup (WPS) button connects wireless clients quickly
- Complete wireless security with WPA/WPA2, WPA/WPA2-PSK, and WEP
- 3-year limited warranty

\*The number of supported concurrent VPN tunnels is dependent upon available bandwidth

\*\*Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions.



## SPECIFICATIONS

### HARDWARE

<b>Standards</b>	• IEEE 802.3 (10BASE-T), IEEE 802.3u (100BASE-TX), IEEE 802.11b/g/n
<b>WAN</b>	• 1 x 10/100Mbps Auto-MDIX port (Internet)
<b>LAN</b>	• 4 x 10/100Mbps Auto-MDIX ports
<b>Power Switch</b>	• On/Off power switch
<b>WPS/Reset Button</b>	• Wi-Fi Protected Setup (WPS) - Automated wireless connection push button (Hold for 3 seconds) • Reset button - Factory Default (Hold for 20 seconds)Auto Patrol
<b>Connection Type</b>	• Dynamic IP, Static (fixed) IP, PPPoE, PPTP, L2TP
<b>Firewall</b>	• NAT, SPI, and DoS prevention
<b>VPN</b>	• IPsec/PPTP/L2TP– Up to 80* tunnels • PPTP/L2TP Server and Client – Define up to 5 user accounts each (multiple logins per account) • IPsec/L2TP/PPTP VPN pass through – Up to 100 sessions • GRE – Up to 8 tunnels
<b>Ipsec VPN Protocols</b>	• Encryption (DES, 3DES, AES-128/192/256 bit), Authentication (MD5, SHA1), DH/PFS Groups (1-18), Key Management (Manual/IKE), Preshared Key (PSK), Encapsulation (ESP, AH, ESP+AH), Mode (Main/Aggressive), NAT Traversal, NetBIOS over IPsec, XAUTH, Keep-Alive, Dead Peer Detection (DPD), Local/Remote ID (FQDN, E-Mail, Key ID)
<b>PPTP/L2TP VPN Protocols</b>	• Authentication (PAP, CHAP, MS-CHAP v1/2), Encryption (MPPE-40/56/128 bit)
<b>Access Control</b>	• Virtual Servers, Packet MAC/IP Packet Filters, URL/Keyword Filters, DMZ host, One-to-One NAT, UPnP, and IGMPv1/2 pass through
<b>Time/Schedule</b>	• Set time via NTP or manually and define schedules: wireless, virtual server, packet filters, and QoS
<b>Routing</b>	• Static and Dynamic RIP v1/2
<b>Quality of Service</b>	• Service-Based IP/(TCP/UDP) port with 3 priority queues (High, Normal, Low), and WMM
<b>Management/ Monitoring</b>	• Local/remote configuration, upgrade firmware, Backup/Restore configuration via Web browser Internal System Log, Syslog, E-Mail Alert, SNMPv1/v2c, Ping Test Tool, and Wake-on-LAN (WoL)
<b>LED Indicator</b>	• Status, LAN1~LAN4, WAN (Internet), WLAN/WPS
<b>Power</b>	• Input: 100~240V AC, 50~60Hz • Output: 12V DC, 1A
<b>Power Consumption</b>	• 5.4 Watts (max.)
<b>Dimension (L x W x H)</b>	• 189 x 118 x 33 mm (7.4 x 4.6 x 1.3 in.)
<b>Weight</b>	• 272 g (9.6 oz.)
<b>Temperature</b>	• Operation: 0 °~ 40°C (32°F~ 104°F); Storage: -10°~ 90°C (14°F~158° F)
<b>Humidity</b>	• Max. 95% (non-condensing)
<b>Certifications</b>	• CE, FCC

### WIRELESS

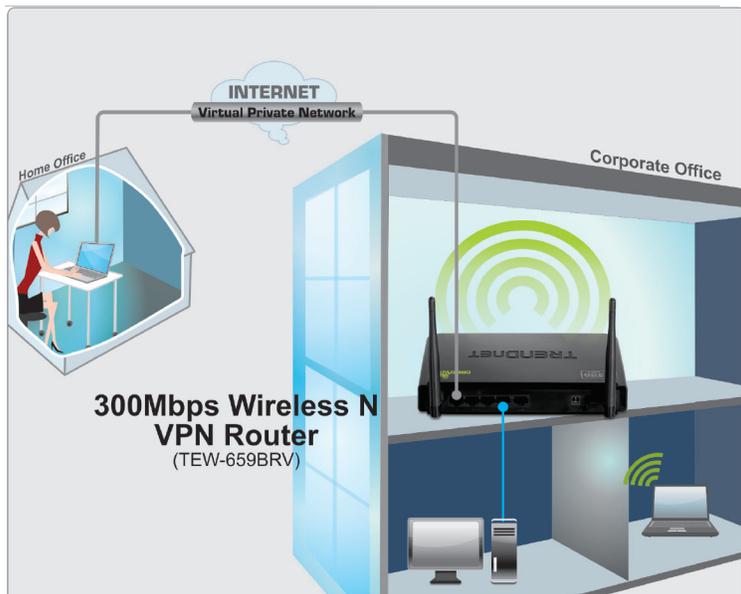
<b>Frequency</b>	• 2.412 ~ 2.472 GHz
<b>Access Point Modes</b>	• Access Point (AP) and Wireless Distribution System (WDS)
<b>SSID</b>	• Broadcast up to 4 SSIDs each with different wireless security
<b>Security</b>	• 64/128-Bit WEP (HEX & ASCII), WPA/WPA2 RADIUS, WPA/WPA2-PSK
<b>Antenna</b>	• 2 x 2 dBi fixed antennas
<b>Modulation</b>	• DSSS, BPSK, QPSK, DBPSK, DQPSK, CCK, OFDM (BPSK/QPSK/16QAM/64QAM)
<b>Data Rate</b>	• 802.11b: up to 11Mbps      • 802.11g: up to 54Mbps      • 802.11n: up to 300Mbps**
<b>Output Power</b>	• 802.11b: 17dBm (typical)      • 802.11g: 14dBm (typical)      • 802.11n: 12dBm (typical)
<b>Receiving Sensitivity</b>	• 802.11b: -84dBm (typical) @ 11Mbps      • 802.11g: -72dBm (typical) @ 54Mbps      • 802.11n: -66dBm (typical) @ 300Mbps
<b>Channels</b>	• 1~ 11 (FCC), 1~13 (ETSI)

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## NETWORK SOLUTIONS



## PACKAGE CONTENTS

TEW-659BRV

Multi-Language Quick Installation Guide

CD-ROM (User's Guide)

Network cable (1.5 m / 5 ft.)

Power adapter (12V DC, 1A)

## RELATED PRODUCTS

<b>TEW-624UB</b>	300Mbps Wireless N USB Adapter
<b>TEW-638APB</b>	300Mbps Wireless N Access Point
<b>TEW-640MB</b>	300Mbps Wireless N 4-Port Media Bridge

## CONTACT INFORMATION

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