



N300 Wireless ADSL 2/2+ Modem Router TEW-658BRM (v1.0R)

The N300 Wireless ADSL 2/2+ Modem Router, model, TEW-658BRM, provides both internet access and a high-performance wireless n network in a single solution. No need to buy a separate modem and router. Install this device quickly and browse the internet, download files, and talk online with the latest in wireless n technology.

Connect computers, game consoles, media players, and DVRs to the built-in 4-port switch. The latest in wireless encryption and a double firewall protect your valuable data. WMM® Quality of Service (QoS) technology prioritizes online gaming, internet calls, and video streams. One-touch Wi-Fi Protected Setup (WPS) connects WPS peripheral devices at the touch of a button.

PRODUCT OVERVIEW

- Combination ADSL 2/2+ modem and high performance wireless n router
- Compatible with most ADSL-based Internet service provider networks
- No need to rent a modem from an Internet service provider
- Advanced features include a double firewall, one-touch Wi-Fi Protected Setup (WPS), and WMM® Quality of Service controls

FEATURES

- 4 x 10/100 Mbps Auto-MDIX LAN ports
- 1 x RJ-11 WAN port (internet)
- On / off power button
- Wi-Fi compliant with IEEE 802.11n standard
- Backwards compatible with IEEE 802.11b/g devices
- 2 x fixed 2 dBi antennas for high speed performance and expansive coverage with MIMO antenna technology
- Router + Modem or Modem Only modes
- Compliant with ADSL, ADSL2, and ADSL2+ standards
- Supports up to 8 PVCs
- VLAN support and Quality of Service (QoS) technology prioritizes gaming, internet calls, and streaming video
- Advance Firewall protection with Network Address Translation (NAT) and Stateful Packet Inspection (SPI)
- Internet Access Control via IP / MAC Address Filtering and Domain / Keyword Filtering
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) data prioritization
- Advanced wireless encryption: 64/128 bit WEP, WPA / WPA2-RADIUS, and WPA / WPA2-PSK
- One touch wireless connection using the WPS button
- Universal Plug and Play (UPnP)
- Easy Web browser configuration and remote management
- Supports TR069 remote management and command line interface (CLI) via telnet
- 3-year limited warranty

* 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

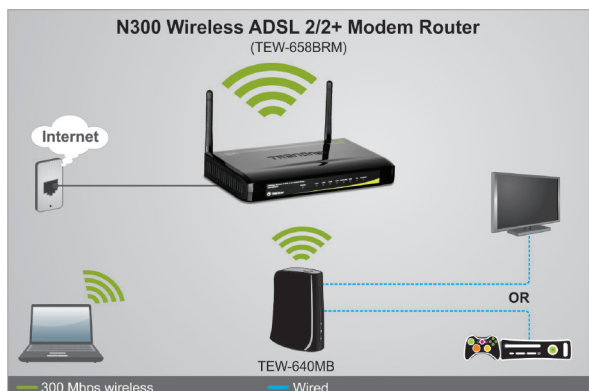
Standards	<ul style="list-style-type: none">• IEEE 802.3u, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
RJ-11 Port (ADSL line Interface)	<ul style="list-style-type: none">• Complies with ADSL standards<ul style="list-style-type: none">• ANSI T1.413 Issue2• G.992.1 (G.dmt, Annex A)• G.992.2 (G.lite)• Complies with ADSL2 standard<ul style="list-style-type: none">• G.992.3 (G.dmt.bis, Annex L)• Complies with ADSL2+ standard<ul style="list-style-type: none">• G.992.5 Annex M
ATM	<ul style="list-style-type: none">• VC and LLC Multiplexing• Bridged / Routed Ethernet over ATM (RFC1483/2684)• OAM F4/F5 loop-back• PPP over ATM (RFC2364)• PPP over Ethernet (RFC2516)• ATM Traffic QoS (UBR, CBR, rt-VBR, nrt-VBR)
Management	<ul style="list-style-type: none">• Web based Configuration (HTTP)• Command Line Interface (CLI) via Telnet• TR-069 Remote Management• IGMP v1/v2 Support• SW upgrade
LAN	<ul style="list-style-type: none">• 4 x 10/100 Mbps Auto-MDIX ports
Button	<ul style="list-style-type: none">• Power: On / off power button• WPS: Enables Wi-Fi Protected Setup (WPS) function• Reset: Reset to factory defaults
Firewall	<ul style="list-style-type: none">• NAT, SPI, Content Filter IP, MAC, Domain, and Keyword
LED Indicator	<ul style="list-style-type: none">• Power, LAN1~LAN4, WLAN, ADSL and Internet, WPS
Power Adapter	<ul style="list-style-type: none">• 12V DC, 1A external power adapter
Power Consumption	<ul style="list-style-type: none">• 8.4 watts (max)
Dimension (L x W x H)	<ul style="list-style-type: none">• 201 x 116 x 31 mm (8 x 4.6 x 1.2 in.)
Weight	<ul style="list-style-type: none">• 301 g (10.6 oz)
Temperature	<ul style="list-style-type: none">• Operation: 0° ~ 40°C (32°F ~ 104°F)• Storage: -10° ~ 70°C (14°F ~ 158°F)
Humidity	<ul style="list-style-type: none">• Max 95% (non-condensing)
Certifications	<ul style="list-style-type: none">• CE, FCC

SPECIFICATIONS

WIRELESS

Frequency	<ul style="list-style-type: none">• 2.415 ~2.484 GHz band
Modulation	<ul style="list-style-type: none">• DBPSK/DQPSK/CCK/OFDM (BPSK/QPSK/16-QAM/64-QAM)
Antenna	<ul style="list-style-type: none">• 2 x 2 dBi fixed dipole antennas
Data Rate	<ul style="list-style-type: none">• 802.11b: up to 11 Mbps• 802.11g: up to 54 Mbps• 802.11n: up to 300 Mbps
Security	<ul style="list-style-type: none">• WEP(HEX/ASCII): 64/128-bit• WPA(AES/TKIP): WPA/WPA2-RADIUS, WPA-PSK/WPA2-PSK
Output Power	<ul style="list-style-type: none">• 802.11b: 15 dBm (typical)• 802.11g: 12 dBm (typical)• 802.11n: 11 dBm (typical)
Receiving Sensitivity	<ul style="list-style-type: none">• 802.11b: -80 dBm (typical) @ 11 Mbps• 802.11g: -65 dBm (typical) @ 54 Mbps• 802.11n: -64 dBm (typical) @ 300 Mbps
Channels	<ul style="list-style-type: none">• 1~ 11 (FCC), 1~13 (ETSI)

NETWORKING SOLUTIONS



PACKAGE CONTENTS

TEW-658BRM
Multi-Language Quick Installation Guide
CD-ROM (User's Guide)
Power adapter (12V DC, 1A)
Network cable (1.5m / 5ft.)
RJ-11 telephone cable (1m / 3ft.)

RELATED PRODUCTS

TEW-624UB	N300 Mini Wireless USB Adapter
TEW-640MB	N300 Wireless 4-Port Media Bridge
TEW-623PI	N300 Wireless PCI Adapter

CONTACT INFORMATION

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