



## N300 Wireless ADSL 2+ Modem Router

TEW-722BRM (v1.0R)

- Combination high speed modem and powerful wireless N300 router
- Compatible with ADSL 2/2+ ISP networks
- Pre-encrypted wireless for your convenience
- Wireless on/off button
- Four Ethernet ports for wired devices

TRENDnet's N300 Wireless ADSL 2+ Modem Router, model TEW-722BRM, is a combination high performance modem for Internet access and powerful wireless N300 router—well suited for medium to large size homes. The modem is compatible with most ADSL Internet service provider networks and it comes with an intuitive guided setup wizard. For your convenience the wireless network is setup and pre-encrypted out of the box.



**Easy Setup**  
Get up and running in minutes with the intuitive guided setup



**Internet Service**  
Compatible with most ADSL 2/2+ internet service provider networks



**N300 Wireless**  
Powerful 300 Mbps Wireless N



**Wireless Coverage**  
Whole home wireless coverage with MIMO antenna technology for medium to large size homes



**Pre-Encrypted Wireless**  
For your convenience the wireless network arrives pre-encrypted with its own unique password



**Guest Network**  
Create an isolated network for guest internet access only



**Wireless On/Off Button**  
Enable or disable the wireless network with the convenient on/off wireless button



**One Touch Connection**  
Connect to the router at the touch of the Wi-Fi Protected Setup (WPS) button



**Parental Controls**  
Control access to specific websites and manage which devices can access the router



**Advanced QoS**  
Classify and prioritize different types of data such as video and audio transmissions



**Energy Savings**  
Embedded GREENnet technology reduces power consumption by up to 50%



**Ethernet Ports**  
Four Ethernet ports to hardwire devices



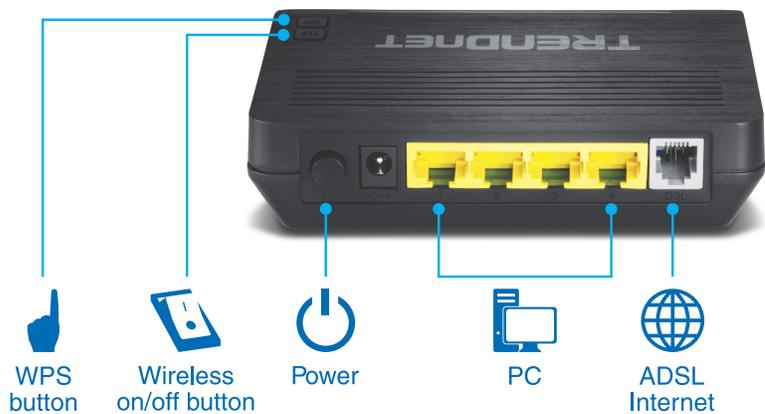
**IPv6**  
IPv6 network support

## Networking Solution

Music

Surfing

E-mail



## Specifications

### ADSL Line Interface

- ADSL: ANSI T1.413 Issue2, G.992.1 (G.dmt, Annex A, and Annex B), G.992.2 (G.lite)
- ADSL2: G.992.3 (G.dmt.bis, Annex I, Annex J, and Annex L)
- ADSL2+: G.992.5 (Annex L and Annex M)

### Standards

- IEEE 802.3
- IEEE 802.3x
- IEEE 802.3u
- IEEE 802.3az
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (up to 300 Mbps)

### Hardware Interface

- 4 x 10/100 Mbps LAN ports
- 1 x RJ-11 WAN port
- WPS button/reset button
- Wi-Fi on/off button
- Power on/off button
- LED indicators
- Mounting points

### Special Features

- Dynamic DNS support for dyn.com, no-ip.com, and easydns.com
- Pre-encrypted wireless network
- Up to 4 SSIDs
- TR-069, TR-064, TR-098, TR-111, and TR-143 remote management support
- Port based flow control
- Port mapping
- Spanning Tree support
- LLNMR
- Energy saving GREENnet technology

### Access Control

- Wireless encryption: WEP, WPA/WPA2-PSK, WPA/WPA2-RADIUS
- Firewall: NAT, ALG, Port Trigger, SPI, Virtual Server, Special Applications, DMZ Host, PPTP/L2TP/IPsec VPN Passthrough, Multicast Passthrough, IGMP, MLD, allow/deny ping request from internet

- Parental (Access) Controls: MAC, URL, IP Filter, domain blocking
- DoS protection
- Packet filter

### Quality of Service

- WMM
- DCSP
- WFQ
- SP

### Internet Connection Types

- PPPoE (RFC-2516 Dynamic IP/Static IP)
- PPPoA (RFC-2364 Dynamic IP/Static IP)
- IPoA (RFC-1483 Routed)
- Dynamic IP (IPoEoA/MER with DHCP)
- Static IP
- Bridge Mode (RFC – 1483 Bridged)
- CIP (RFC-1577 Classic IP/ARP over ATM)
- IPv6 (Static, Auto-configuration (SLAAC/DHCPv6), PPPoE, IPv6 in IPv4 tunnel, 6to4, 6rd)

### Management/Monitoring

- Local/remote web based management
- Remote management (HTTP, CLI, FTPD, HTTPS)
- TR-069 Remote management
- Upgrade firmware
- Backup/restore configuration
- Logging – internal/syslog/email
- Reboot
- Restore to factory defaults
- Ping test
- ATM F4/F5 Loopback Diagnostics
- Traffic meter

### Routing

- Static
- Dynamic (RIP v1/2)

### Frequency

- 2.412 - 2.484 GHz

### Modulation

- 802.11b: CCK (11 Mbps & 5.5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
- 802.11g: OFDM with BPSK, QPSK and 16/64-QAM

- 802.11n: BPSK, QPSK, 16-QAM, 64-QAM with OFDM

### Media Access Protocol

- CSMA/CA with ACK

### Antenna Gain

- 2 x 4 dBi internal

### Wireless Output Power/Receiving Sensitivity

- 802.11b: 15 dBm (max.)/-70 dBm (typical) @ 11 Mbps
- 802.11g: 15 dBm (max.)/-65 dBm (typical) @ 54 Mbps
- 802.11n: 15 dBm (max.)/-64 dBm (typical) @ 300 Mbps

### Wireless Channels

- FCC: 1-11
- ETSI: 1-13

### Power

- Input: 100 – 240 V AC, 50 - 60 Hz, 0.5 A
- Output: 12 V DC, 0.5 A external power adapter
- Consumption: 4 Watts (max.)

### Operating Temperature

- 0 – 40 °C (32 – 104 °F)

### Operating Humidity

- Max. 95% non-condensing

### Certifications

- CE
- FCC

### Dimensions

- 126 x 109 x 25 mm (4.9 x 4.3 x 1 in.)

### Weight

- 158 g (5.5 oz.)

### Warranty

- 3 year limited

### Package Contents

- TEW-722BRM
- Multi-Language Quick Installation Guide
- CD-ROM (User's Guide)
- Network cable (1.5 m/5 ft.)
- Power adapter (12 V DC, 0.5 A)

\*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.

