N300 WiFi ADSL 2+ Modem Router

TEW-723BRM (v1.0R)

- Combination high speed modem and wireless N300 router
- Compatible with ADSL 2/2+ networks
- Pre-encrypted wireless for your convenience
- Wireless on / off button
- Four Ethernet ports for wired devices and one USB 2.0 port

TRENDnet's N300 WiFi ADSL 2+ Modem Router, model TEW-723BRM, is a combination ADSL 2+ modem and wireless N300 router, which offers 300 Mbps WiFi N networking to share files, play games, and surf the internet. For your convenience, the wireless network is setup and pre-encrypted out of the box.

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ADSL 2/2+ Modem Router
Compatible with most ADSL 2/2+ internet service providers

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

5 dBi External Antennas
Dual 5 dBi external antennas provide extended wireless coverage

Networking Solution

1. WPS button
2. WLAN on / off button
3. LED indicators
4. RJ-11 ADSL2/2+ port
5. 10/100 Mbps LAN ports
6. Power port
7. On / Off Power button
8. Reset button
9. USB 2.0 port
   (3G USB Modem Backup)

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

ADSL 2/2+
Compatible with most ADSL 2/2+ internet service providers

N300 Wireless
Powerful 300 Mbps Wireless N

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

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

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

Ethernet Ports
Ethernet ports to hardwire up to four devices

Wireless Coverage
Extended wireless coverage with 5 dBi antennas, suitable for medium to large size homes

Remote Management
Remote management and troubleshooting support with TR-069

IPv6
IPv6 network support

TRENDnet®

Specifications

ADSL Interface Standards
- ADSL: ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt, Annex A, and Annex B), ITU G.992.2 (G.lite)
- ADSL2: ITU G.992.3 (G.dmt.bis, Annex I, Annex J, and Annex L)
- ADSL2+: ITU 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 (2.4 GHz up to 300 Mbps)

Hardware Interface
- 4 x 10/100 Mbps LAN ports
- 1 x RJ-11 ADSL2/2+ port
- 1 x USB 2.0 port (3G USB Modem Backup)
- WPS button
- WLAN on / off button
- On / Off Power button
- Reset button
- LED indicators

ATM & PPP Modes / Protocols
- VC and LLC multiplexing (Up to 8 PVCs)
- 802.1Q VLAN tagging
- 1483 Bridged
- 1483 MER (IPv4 & IPv6 Static or DHCPv4 / Auto-configuration (SLAAC / DHCPv6))
- 1483 Routed (IPv4 & IPv6 Static or DHCPv4 / Auto-configuration (SLAAC / DHCPv6))
- PPPoE (IPv4 & IPv6 Static or DHCPv4 / Auto-configuration (SLAAC / DHCPv6))
- PPPoA (IPv4 & IPv6 Static or DHCPv4 / Auto-configuration (SLAAC / DHCPv6))
- IPoA (IPv4 & IPv6 Static or DHCPv4 / Auto-configuration (SLAAC / DHCPv6))

Special Features
- IPv6 Support
- 5 dBi Antennas
- Multi-Language interface: English, Spanish, Portuguese
- Pre-encrypted wireless network

Access Control
- Wireless encryption: WEP, WPA / WPA2-PSK, WPA / WPA2-Enterprise (RADIUS)
- Wireless Access Control (IPv4 / IPv6) Inbound / Outbound: HTTP, FTP, SNMP, SSH, FTP, Telnet, TFTP, ping or all services
- Up to 4 additional SSIDs
- Firewall: NAT, NAPT, SPI, Port Forwarding, Port Mapping, Port Triggering, DMZ Host
- IPv4 & IPv6 Inbound / Outbound Port filter and MAC address Inbound / Outbound filter
- ALG: FTP, H.323, SIP, RTSP, PPTP / L2TP / IPsec VPN Passthrough
- Parental Control: Schedule URL / Keyword and / or MAC Address filters
- DoS Attack Prevention
- IP to MAC Address Binding (Static ARP)
- Client limiting for devices accessing Internet
- NAT IP Mapping: One-to-One, Many-to-One, Many-to-Many, One-to-Many

Quality of Service
- WMM
- Diffserv / Differentiated Services Code Point (DSCP) – Strict Priority (SP), Weighted Fair Queuing (WFQ)
- ATM Traffic QoS Constant Bit Rate (CBR), Unspecified Bit rate (UBR), Real-Time Bit Rate (rt-VBR), Non-Real-time Variable Bit Rate (nrt-VBR)

Management & Monitoring
- Local / remote web based management
- Telnet
- TR-069
- IGMP v1/2/3 Proxy and Snooping
- SNMP v1/2c
- DHCP Server / Relay, Option 60
- IPv4 / IPv6 Static Routes & Dynamic RIPv1/2
- Syslog
- UPnP
- IPv4 / IPv6 ping, traceroute, ADSL & diagnostic connectivity tests
- Upgrade firmware
- Backup / restore configuration
- Reboot
- Restore to factory defaults
- Dynamic DNS support for dyn.com and no-ip.com

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 5 dBi external adjustable

Wireless Output Power
- 802.11b: FCC: 18 dBm (max.) @ 11 Mbps
- 802.11g: FCC: 15 dBm (max.) @ 54 Mbps
- 802.11n: FCC: 14 dBm (max.) @ 300 Mbps

Receiving Sensitivity
- 802.11b: -79 dBm (typical) @ 11 Mbps
- 802.11g: -65 dBm (typical) @ 54 Mbps
- 802.11n: -61 dBm (typical) @ 300 Mbps

Wireless Channels
- FCC: 1-11
- ETSI: 1-13

Power
- Input: 100 – 240 V AC, 50/60 Hz
- Output: 12V DC, 1A external power adapter
- Consumption: 7 W (max.)
- Surge (Power) Protection: 6kV / ITU-T K.21 (12/2016)

Operating Temperature
- 0 – 40 °C (32 – 104 °F)

Operating Humidity
- Max. 95% non-condensing

Certifications
- CE
- FCC

Dimensions
- 165 x 122 x 40 mm (6.5 x 4.8 x 1.57 in.)
- Antenna length: 195 mm (7.7 in.)

Weight
- 234 g (8.3 oz.)

Warranty
- 3-year warranty

Package Contents
- TEW-723BRM
- Quick Installation Guide
- Network cable (1 m / 3.28 ft.)
- RJ-11 telephone cable (1 m / 3.28 ft.)
- Power adapter (12V DC, 1A)

*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.