N150 Wireless Router
TEW-712BR (v1.0R)

TRENDnet's N150 Router Wireless, model TEW-712BR, provides reliable 150 Mbps wireless n speed and coverage to share files, play games, and surf the internet. Advanced encryption protects your wireless network, Access Control tools help block unwanted websites and unknown users, and embedded GREENnet technology reduces power consumption by up to 50%.

WMM® Quality of Service (QoS) technology prioritizes gaming, internet calls, and video streams. Wi-Fi Protected Setup (WPS) connects other WPS supported wireless adapters at the touch of a button. LEDs on the front of the router convey device status. Network wired devices to the four Fast Ethernet ports on the back of the router.

PRODUCT OVERVIEW

• Surf, call, email, and play games wirelessly

• Connect computers with one-touch Wi-Fi Protected Setup (WPS)

• Up to 50% energy savings with GREENnet technology

• Advanced Internet Access Controls

• Open source support

FEATURES

- 4 x 10/100 Mbps Auto-MDIX LAN ports
- 1 x 10/100 Mbps Auto-MDIX WAN port (Internet)
- High-speed data rates of up to 150 Mbps based on IEEE 802.11n*
- One touch wireless connection to wireless clients using the WPS button
- GREENnet technology reduces power consumption by up to 50%
- Compliant with IEEE 802.11b/g standards
- Advanced wireless security of up to WPA2-RADIUS
- Compatible with most popular cable / DSL internet
- Internet Access Control (MAC Address, Domain, and IP Filtering)
- Firewall features Network Address Translation (NAT)
- Virtual server and Application Level Gateway (ALG) services for special Internet applications
- Universal Plug and Play (UPnP) for auto discovery and support for device configuration of Internet applications
- Dynamic DNS Client for dynamic Internet IP resolution
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) data prioritization
- Easy setup via Web browser using Internet Explorer 6.0 or above, Firefox 2.0 or above, Chrome, Opera, Safari
- Indoor range up to 100 meters (330 ft.) depending on the environment
- Outdoor range up to 300 meters (980 ft.) depending on the environment
- 3-year limited warranty

OPEN SOURCE RESOURCES

- Open-source wireless router for Linux developers and open-source enthusiasts
- Popular Linux firmware for this router, available at https://openwrt.org/
- Product hardware: Qualcomm 400MHz MIPS® chipset; Flash: 4 MB; RAM: 32 MB

* 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.

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SPECIFICATIONS

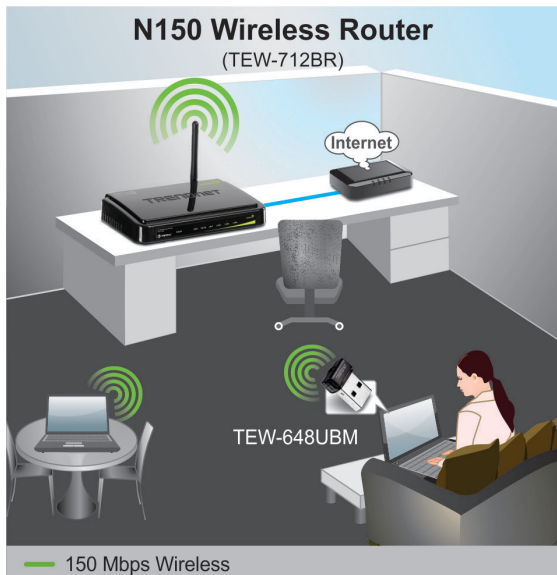| HARDWARE	
Standards	• IEEE 802.3 (10BASE-T), IEEE 802.3u (100BASE-TX), IEEE 802.11b • IEEE 802.11g, Based on IEEE 802.11n technology
WAN	• 1 x 10/100 Mbps Auto-MDIX WAN port (Internet)
LAN	• 4 x 10/100 Mbps Auto-MDIX LAN ports
WPS Button	• Enables Wi-Fi Protected Setup (WPS) function (Hold for 3 seconds)
Power Switch	• On / Off power switch
Connection Type	• Dynamic IP, Static (fixed) IP, PPPoE, PPTP, L2TP
Supported Web Browsers	• Internet Explorer 6.0 or above, Firefox 2.0 or above, Chrome, Opera, Safari
Internet Access Control	• MAC Address Filter, Domain / URL Filter, Protocol / IP Filter, Virtual Server, DMZ host, UPnP, PPTP/L2TP/IPsec VPN pass through
Management / Monitoring	• Local / remote configuration, upgrade firmware, backup / restore configuration via Web browser, Internal System Log, Syslog, e-mail Logging, Ping Test Tool, Dynamic DNS
Routing	• Static
LED Indicators	• Power, LAN1 - LAN4, WAN, WLAN
Power	• Input: 100~240V AC, 50~60Hz • Output: 5V DC, 1A
Power Consumption	• 3 watts (max)
Dimensions (L x W x H)	• 158 x 109 x 34 mm (6.2 x 4.3 x 1.3 in)
Weight	• 204 g (7.2 oz)
Temperature	• Operating: 0° ~ 40°C (32° ~ 104°F) • Storage: -10°C ~ 70°C (-14° ~ 158°F)
Humidity	• Max 95% (non-condensing)
Certifications	• CE, FCC
WIRELESS	
Frequency	• 2.412 ~ 2.484 GHz ISM band
Antenna	• 1 x 2 dBi fixed dipole antenna
Modulation	• DBPSK/DQPSK/CCK/OFDM (BPSK/QPSK/16-QAM/64-QAM)
Media Access Protocol	• CSMA/CA with ACK
Data Rate	• 802.11b: up to 11 Mbps • 802.11g: up to 54 Mbps • 802.11n: up to 150 Mbps
Output Power	• 802.11b: 15 dBm (typical) @ 11 Mbps • 802.11g: 17 dBm (typical) @ 54 Mbps • 802.11n: 18 dBm (typical) @ 150 Mbps
Receiving Sensitivity	• 802.11b: -85 dBm (typical) @ 11 Mbps • 802.11g: -68 dBm (typical) @ 54 Mbps • 802.11n: -62 dBm (typical) @ 150 Mbps
Encryption	• 64/128-bit WEP (HEX / ASCII), WPA / WPA2-PSK, WPA / WPA2-RADIUS
Channels	• 1-11 (FCC), 1-13 (ETSI)

NETWORKING SOLUTIONS

N150 Wireless Router
(TEW-712BR)

Internet

TEW-648UBM

— 150 Mbps Wireless

PACKAGE CONTENTS

TEW-712BR

Multi-Language Quick Installation Guide

CD-ROM (User's Guide)

Network cable (1.5 m / 5 ft.)

Power adapter (5V DC, 1A)

RELATED PRODUCTS

TEW-648UB	N150 Mini Wireless USB Adapter
TEW-650AP	N150 Wireless Access Point
TEW-648UBM	N150 Micro Wireless USB Adapter

CONTACT INFORMATION

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