









Wireless N Home Router TEW-652BRP(V2.OR)

The Wireless N Home Router delivers the highest level of security with 12x the speed and 4x the range of wireless g products. Quickly install the router and use it with TRENDnet wireless n adapters to receive the full benefits of wireless n speed and coverage.

The latest in wireless encryption and a secure firewall provide the ultimate in wired and wireless security. Advanced Multiple Input Multiple Output (MIMO) antenna technology delivers expansive coverage and eliminates dead spots. A quick and intuitive installation process, one touch wireless connection using Wi-Fi Protected Setup and advanced management capabilities make this product well suited for your most demanding home networking needs.

FEATURES

- Wi-Fi compliant with IEEE 802.11n and IEEE 802.11b/g standards
- 4 x 10/100Mbps Auto-MDIX LAN port and 1 x 10/100Mbps WAN port (Internet)
- Supports Cable/DSL modems with Dynamic IP, Static IP, PPPoE, PPTP, L2TP & BigPond connection types
- High-speed data rates up to 300Mbps using an IEEE 802.11n connection
- 2 fixed external antennas support high speed performance and great coverage with MIMO technology
- Network Address Translation (NAT) firewall
- Wi-Fi Protected Setup (WPS) button for simple network connectivity
- Universal Plug and Play (UPnP) and Application Level Gateway support for Internet applications such as email, FTP, gaming, remote desktop, Net Meeting, telnet and more
- Provides additional security with Internet Access Control (MAC Address, Domain, and IP Filtering)
- · Easy remote management via Web browser
- Wireless security support for WEP, WPA & WPA2
- Indoor coverage up to 100 meters (330ft.)* Coverage up to 100 meters (330ft.) Indoor (depends on the environment) Outdoor coverage up to 300 meters (980ft.)* Coverage up to 300 meters (980ft.) outdoor (depending on the environment)* Works with Windows, Linux and Mac operating systems
- 3- year limited warranty

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SPECIFICATIONS

Standards	Hardware	
Wireless: IEEE 802.11b, IEEE 802.11g, IEEE 802.11e QoS	Standards	Wired: IEEE 802.3 (10Base-T), IEEE 802.3u (100Base-TX)
LAN		Wireless: IEEE 802.11b, IEEE 802.11g, IEEE 802.11n (draft 2.0), IEEE 802.11e QoS
WPS Button • Enable Wi-Fi Protected Setup (WPS) function Connection Type • Dynamic IP, Static (Fixed) IP, PPDE, PPTP, L2TP • To be supported (Big Pond, Russia PPDE, PPTP, and L2TP) UPnP • UPnP IGD 1.0 compliant • DMZ • DMZ host & Virtual Servers DNS • Static or WAN assigned DNS servers; 3 verified services for DDNS Internet Access Control • MAC Address Filter, Domain/URL Filter, Protocol/IP Filter Logging • 5 types of event logging; email report LED Indicator • Power, LAN1~LAN4, WAN, WLAN, Status Power Adapter • 7.5V DC, 1A external power adapter Power Consumption • 4.5watts (max.) Dimension (L x W x H) • 150 x 130 x 30 mm (5.9 x 5.1 x 1.2 inches) Weight • 245g (8.6 oz) Temperature • Operation: 0° ~ 40°C (32°F~ 104°F); Storage: -10° ~ 70°C (14°F~158°F) Humidity • Max. 90% (non-condensing) Certifications • CE, FCC Wireless Frequency • 2.412~2 484GHz band Antenna • 2 x 288 fixed dipole antennas Media Access Protocol • CSMA/CA with ACK Data Rate • 802.111b: 1Mbps, 5.5Mbps, 2Mbps, 36Mbps, 24Mbps, 12Mbps, 1	WAN	1 x 10/100Mbps Auto-MDIX port (internet)
Connection Type Dynamic IP, Static (Fixed) IP, PPPoE, PPTP, L2TP • To be supported (Big Pond, Russia PPoE, PPTP, and L2TP) UPnP • UPnP IGD 1.0 compliant DMZ • DMZ host & Virtual Servers DNS • Static or WAN assigned DNS servers; 3 verified services for DDNS Internet Access Control • MAC Address Filter, Domain/URL Filter, Protocol/IP Filter Logging • 5 types of event logging: email report LED Indicator • Power, LAN1-LAN4, WAN, WLAN, Status Power Adapter • 7.5V DC, 1A external power adapter Power Consumption • 4.5watts (max.) Dimension (L x W x H) • 150 x 130 x 30 mm (5.9 x 5.1 x 1.2 inches) Weight • 245g (8.6 cz) Temperature • Operation: 0°~ 40°C (32°F~ 104°F); Storage: -10°~ 70°C (14°F~158°F) Humidity • Max. 90% (non-condensing) Certifications • CE, FCC Wireless Frequency • 2.412~2.484GHz band Antenna • 2 x 2dBi fixed dipole antennas Media Access Protocol • CSMA/CA with ACK Data Rate • 802.11b: 11Mpps, 5.5Mbps, 2Mbps, 3Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • 802.11c: up to 300Mbps <	LAN	4 x 10/100Mbps Auto-MDIX ports
UPnP • UPnP IGD 1.0 compliant DMZ • DMZ host & Virtual Servers DNS • Static or WAN assigned DNS servers; 3 verified services for DDNS Internet Access Control • MAC Address Filter, Domain/URL Filter, Protocol/IP Filter Logging • 5 types of event logging; mail report LED Indicator • Power, LAN1-LAN4, WAN, WLAN, Status Power Adapter • 7.5 V DC, 1A external power adapter Power Consumption • 4.5watts (max.) Dimension (L x W x H) • 150 x 130 x 30 mm (5.9 x 5.1 x 1.2 inches) Weight • 245g (8.6 oz) Temperature • Operation: 0° 40°C (32°F~ 104°F); Storage: -10°~ 70°C (14°F~158° F) Humidity • Max. 90% (non-condensing) Certifications • CE, FCC Wireless Frequency • 2.412~2.484GHz band Antenna • 2 x 2dBi fixed dipole antennas Media Access Protocol • CSMA/CA with ACK Data Rate • 802.11b: 111Mbps, 5.5Mbps, 3Mbps, and 1Mbps • 802.11b: 119bbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • 802.11b: 19k4/28-bit • WPP(HEX/ASCII): 64/128-bit • WPP(A(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK <td>WPS Button</td> <td>Enable Wi-Fi Protected Setup (WPS) function</td>	WPS Button	Enable Wi-Fi Protected Setup (WPS) function
DMZ • DMZ host & Virtual Servers DNS • Static or WAN assigned DNS servers; 3 verified services for DDNS Internet Access Control • MAC Address Filter, Domain/URL Filter, Protocol/IP Filter Logging • 5 types of event logging; email report LED Indicator • Power, LAN1~LAN4, WAN, WLAN, Status Power Adapter • 7.5v DC, 1A external power adapter Power Consumption • 4.5watts (max.) Dimension (L x W x H) • 150 x 130 x 30 mm (5.9 x 5.1 x 1.2 inches) Weight • 245g (8.6 oz) Temperature • Operation: 0°~ 40°C (32°F~ 104°F); Storage: -10°~ 70°C (14°F~158°F) Humidity • Max. 90% (non-condensing) Certifications • CE, FCC Wireless Frequency • 2.412~2.484GHz band Antenna • 2 x 2dBi fixed dipole antennas Media Access Protocol • CSMA/CA with ACK Data Rate • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11b: 12 stMbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • 802.11b: 10 to 300Mbps Security • WE/(HEX/ASCI): 64/128-bit • WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Outpu	Connection Type	Dynamic IP, Static (Fixed) IP, PPPoE, PPTP, L2TP To be supported (Big Pond, Russia PPoE, PPTP, and L2TP)
DNS • Static or WAN assigned DNS servers; 3 verified services for DDNS Internet Access Control • MAC Address Filter, Domain/URL Filter, Protocol/IP Filter Logging • 5 types of event logging; email report LED Indicator • Power, LAN1~LAN4, WAN, WLAN, Status Power Adapter • 7.5V DC, 14 external power adapter Power Consumption • 4.5watts (max.) Dimension (L x W x H) • 150 x 130 x 30 mm (5.9 x 5.1 x 1.2 inches) Weight • 245g (8.6 oz) Temperature • Operation: 0°~ 40°C (32°F~ 104°F); Storage: -10°~ 70°C (14°F~158° F) Humidity • Max. 90% (non-condensing) Certifications • CE, FCC Wireless Frequency • 2.412~2.484GHz band Antenna • 2 x 2dBi fixed dipole antennas Media Access Protocol • CSMA/CA with ACK Data Rate • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11b: 19 taMbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • 802.11b: up to 300Mbps Security • WEP(HEX/ASCII): 64/128-bit • WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Output Power • 802.11b: 17dBm (typical) • 802.11g: 13dB	UPnP	UPnP IGD 1.0 compliant
Internet Access Control MAC Address Filter, Domain/URL Filter, Protocol/IP Filter	DMZ	DMZ host & Virtual Servers
Logging • 5 types of event logging; email report LED Indicator • Power, LAN1~LAN4, WAN, WLAN, Status Power Adapter • 7.5V DC, 1A external power adapter Power Consumption • 4.5watts (max.) Dimension (L x W x H) • 150 x 130 x 30 mm (5.9 x 5.1 x 1.2 inches) Weight • 245g (8.6 oz) Temperature • Operation: 0° ~ 40° C (32° F~ 104° F); Storage: -10° ~ 70° C (14° F~158° F) Humidity • Max. 90% (non-condensing) Certifications • CE, FCC Wireless Frequency • 2.412~2.484GHz band Antenna • 2 x 2dBi fixed dipole antennas Media Access Protocol • CSMA/CA with ACK Data Rate • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11b: 11Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • 802.11b: up to 300Mbps Security • WEP(HEX/ASCII): 64/128-bit • WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Output Power • 802.11b: 17dBm (typical) • 802.11g: 13dBm (typical) • 802.11n: 13dBm (typical) Receiving Sensitivity • 802.11b: -85dBm (typical) @ 11mpbs • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm	DNS	Static or WAN assigned DNS servers; 3 verified services for DDNS
Power Adapter	Internet Access Control	MAC Address Filter, Domain/URL Filter, Protocol/IP Filter
Power Adapter • 7.5V DC, 1A external power adapter Power Consumption • 4.5watts (max.) Dimension (L x W x H) • 150 x 130 x 30 mm (5.9 x 5.1 x 1.2 inches) Weight • 245g (8.6 oz) Temperature • Operation: 0°~ 40°C (32°F~ 104°F); Storage: -10°~ 70°C (14°F~158°F) Humidity • Max. 90% (non-condensing) Certifications • CE, FCC Wireless Frequency • 2.412~2.484GHz band Antenna • 2 x 2dBi fixed dipole antennas Media Access Protocol • CSMA/CA with ACK Data Rate • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • 802.11n: up to 300Mbps Security • WEP(HEX/ASCII): 64/128-bit • WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Output Power • 802.11b: 17dBm (typical) • 802.11g: 13dBm (typical) • 802.11n: 13dBm (typical) • 802.11n: 62dBm @ 300Mbps Receiving Sensitivity • 802.11b: -85dBm (typical) @ 11mpbs • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm @ 300Mbps	Logging	5 types of event logging; email report
Power Consumption • 4.5watts (max.) Dimension (L x W x H) • 150 x 130 x 30 mm (5.9 x 5.1 x 1.2 inches) Weight • 245g (8.6 oz) Temperature • Operation: 0°~ 40°C (32°F~ 104°F); Storage: -10°~ 70°C (14°F~158° F) Humidity • Max. 90% (non-condensing) Certifications • CE, FCC Wireless Frequency • 2.412~2.484GHz band Antenna • 2 x 2dBi fixed dipole antennas Media Access Protocol • CSMA/CA with ACK Data Rate • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11b: 154Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • 802.11n: up to 300Mbps Security • WEP(HEX/ASCII): 64/128-bit • WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Output Power • 802.11b: 17dBm (typical) • 802.11g: 13dBm (typical) • 802.11n: 13dBm (typical) Receiving Sensitivity • 802.11b: -85dBm (typical) @ 11mpbs • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm @ 300Mbps	LED Indicator	Power, LAN1~LAN4, WAN, WLAN, Status
Dimension (L x W x H) • 150 x 130 x 30 mm (5.9 x 5.1 x 1.2 inches) Weight • 245g (8.6 oz) Temperature • Operation: 0°~ 40°C (32°F~ 104°F); Storage: -10°~ 70°C (14°F~158°F) Humidity • Max. 90% (non-condensing) Certifications • CE, FCC Wireless Frequency Frequency • 2.412~2.484GHz band Antenna • 2 x 2dBi fixed dipole antennas Media Access Protocol • CSMA/CA with ACK Data Rate • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11c: 94Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • 802.11c: up to 300Mbps Security • WEP(HEX/ASCII): 64/128-bit • WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Output Power • 802.11b: 17dBm (typical) • 802.11g: 13dBm (typical) • 802.11n: 13dBm (typical) Receiving Sensitivity • 802.11b: -85dBm (typical)@ 11mpbs • 802.11g: -68dBm (typical)@ 54Mbps • 802.11n: -62dBm @ 300Mbps	Power Adapter	• 7.5V DC, 1A external power adapter
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Frequency • 2.412~2.484GHz band Antenna • 2 x 2dBi fixed dipole antennas Media Access Protocol • CSMA/CA with ACK Data Rate • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • 802.11n: up to 300Mbps Security • WEP(HEX/ASCII): 64/128-bit • WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Output Power • 802.11b: 17dBm (typical) • 802.11g: 13dBm (typical) • 802.11n: 13dBm (typical) Receiving Sensitivity • 802.11b: -85dBm (typical) @ 11mpbs • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm @ 300Mbps	Certifications	• CE, FCC
Antenna • 2 x 2dBi fixed dipole antennas Media Access Protocol • CSMA/CA with ACK Data Rate • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • 802.11n: up to 300Mbps Security • WEP(HEX/ASCII): 64/128-bit • WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Output Power • 802.11b: 17dBm (typical) • 802.11g: 13dBm (typical) • 802.11n: 13dBm (typical) Receiving Sensitivity • 802.11b: -85dBm (typical) @ 11mpbs • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm @ 300Mbps	Wireless	
Media Access Protocol • CSMA/CA with ACK Data Rate • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • 802.11n: up to 300Mbps Security • WEP(HEX/ASCII): 64/128-bit • WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Output Power • 802.11b: 17dBm (typical) • 802.11g: 13dBm (typical) • 802.11n: 13dBm (typical) Receiving Sensitivity • 802.11b: -85dBm (typical) @ 11mpbs • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm @ 300Mbps	Frequency	• 2.412~2.484GHz band
Data Rate • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • 802.11n: up to 300Mbps Security • WEP(HEX/ASCII): 64/128-bit • WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Output Power • 802.11b: 17dBm (typical) • 802.11g: 13dBm (typical) • 802.11n: 13dBm (typical) Receiving Sensitivity • 802.11b: -85dBm (typical) @ 11mpbs • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm @ 300Mbps	Antenna	• 2 x 2dBi fixed dipole antennas
 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps 802.11n: up to 300Mbps WEP(HEX/ASCII): 64/128-bit WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Output Power 802.11b: 17dBm (typical) 802.11g: 13dBm (typical) 802.11g: -68dBm (typical) 802.11n: -62dBm @ 300Mbps 	Media Access Protocol	CSMA/CA with ACK
• 802.11n: up to 300Mbps Security • WEP(HEX/ASCII): 64/128-bit • WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Output Power • 802.11b: 17dBm (typical) • 802.11g: 13dBm (typical) • 802.11n: 13dBm (typical) Receiving Sensitivity • 802.11b: -85dBm (typical) @ 11mpbs • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm @ 300Mbps	Data Rate	802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps
Security • WEP(HEX/ASCII): 64/128-bit • WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Output Power • 802.11b: 17dBm (typical) • 802.11g: 13dBm (typical) • 802.11n: 13dBm (typical) Receiving Sensitivity • 802.11b: -85dBm (typical) @ 11mpbs • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm @ 300Mbps		 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps
• WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK Output Power • 802.11b: 17dBm (typical) • 802.11g: 13dBm (typical) • 802.11n: 13dBm (typical) Receiving Sensitivity • 802.11b: -85dBm (typical) @ 11mpbs • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm @ 300Mbps		• 802.11n: up to 300Mbps
Output Power • 802.11b: 17dBm (typical) • 802.11g: 13dBm (typical) • 802.11n: 13dBm (typical) Receiving Sensitivity • 802.11b: -85dBm (typical) @ 11mpbs • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm @ 300Mbps	Security	WEP(HEX/ASCII): 64/128-bit
Receiving Sensitivity • 802.11b: -85dBm (typical) @ 11mpbs • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm @ 300Mbps		WPA(AES/TKIP): WPA/WPA2, WPA-PSK/WPA2-PSK
	Output Power	802.11b: 17dBm (typical) 802.11g: 13dBm (typical) 802.11n: 13dBm (typical)
Channels • 1~11 (FCC), 1~13 (ETSI)	Receiving Sensitivity	• 802.11b: -85dBm (typical) @ 11mpbs • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm @ 300Mbps
	Channels	• 1~11 (FCC), 1~13 (ETSI)

^{*} 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.

^{**} Internet Explorer 6.0 and above is recommended

Wireless N Home Router TEW-652BRP (V2.0R)

NETWORKING SOLUTIONS



PACKAGE CONTENTS

- TEW-652BRP
- Multi-Language Quick Installation Guide
- CD-ROM (User's Guide)
- Power adapter (7.5V DC, 1A)
- Cat. 5 Ethernet cable (1.5m/5ft.)

RELATED PRODUCTS

TEW-641PC	Wireless N PC Card
TEW-642EC	Wireless N Express card
TEW-643PI	Wireless N PCI Adapter
TEW-644UB	Wireless N USB Adapter

ORDERING INFORMATION

TRENDNET

20675 Manhattan Place, Torrance, CA 90501 USA

Tel: 1-310-961-5500 Fax: 1-310-961-5511 Web: www.trendnet.com Email: sales@trendnet.com

To Order Please Call:

1-888-326-6061

