TRENDNET®

300Mbps Wireless N ADSL2/2+ Modem Router
TEW-635BRM(V1.0R)

The 300Mbps Wireless N ADSL 2/2+ Modem Router delivers 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 easily and surf the Internet, download files, play games and talk online with 300Mbps wireless n technology.

Connect computers, gaming consoles, media players and storage devices to the built in 4-port switch. The latest in wireless encryption and a double firewall protect your valuable data. Advanced antenna technology (MIMO) delivers broad coverage and minimizes dead spots. One-touch Wi-Fi Protected Setup (WPS) synchronizes WPS peripheral devices at the touch of a button.

ENERGY STAR

FEATURES

• Wi-Fi compliant with IEEE 802.11n draft 2.0 standard

• Router + modem or modem only mode

• Compliant with ADSL, ASDL2 and ADSL2+

• Auto detection for PPPoE, PPPoA and IPoA Internet connection types

• 2 fixed 2dBi antennas support high speed performance and expanded coverage with MIMO technology

• Wireless Distribution System (WDS)

• Multiple SSID support with isolation

• Wireless on/off button

• Power on/off button

• Backwards compatible with IEEE 802.11b/g devices

• Supports Wi-Fi Protected Setup (WPS) to quickly connect wireless peripheral devices

• Universal Plug and Play (UPnP) and Application Level Gateway (ALG) support for Internet applications such as e-mail, FTP, gaming, remote desktop, Net Meeting and telnet

• Internet Access Control via MAC Address, URL and IP Filtering

• Easy Web-browser configuration and remote management

• Wi-Fi Multimedia (WMM) Quality of Service (QoS) supported

• Multiple VPN Pass-through sessions for IPSec, PPTP and L2TP

• Advanced wireless encryption : WEP, WPA-PSK, WPA2-PSK and 802.1x

• 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	• Wired: IEEE 802.3 (10Base-T), IEEE 802.3u (100Base-TX) • Wireless: IEEE 802.11b, IEEE 802.11g, IEEE 802.11n (draft 2.0) • ADSL : ANSI T1.413 and multi-mode • ITU G.992.1 (G.dmt) Annex A, ITU G.992.2 G.lite, ITU G.992.3 Annex A ADSL2, ITU G.992.3 Annex A DELT, ITU G.992.3 Annex L READSL2, ITU G.992.5 Annex A ADSL2+, ITU G.994.1 (G.hs) ver.3
Protocol	• DHCP (Client/Server), SMTP, NTP
VPN Pass-Through	• PPTP, IPSec, L2TP (up to 100 sessions)
ATM	• Supports TM Cell over AAL5, UBR/CBR/VBR, VPI range (0-255) and VCI range (32 ~65535), multiple-PVC and OAM F4/F5 loopback • Payload encapsulation 　　　• RFC2684 (RFC1483/2684), Multiprotocol over ATM 　　　• RFC2684 (RFC1483/2684), Bridge mode 　　　• RFC2364, PPP over ATM (CHAP and PAP supported) 　　　• RFC2516, PPP over Ethernet • Supports auto-detection for VPI/VCI (VPI :0 ~10, VCI : 32 ~ 90) and multiplexing method (VC/LLC based)
Firewall	• NAT Firewall with ALGs, Denial of Service(DoS) attack firewall, email alerts and log, access control, port forwarding, port range forwarding and schedule-based URL filtering
Management	• Web-browser configuration or remote management
Routing	• Cross Segment Static Route, RIP1, RIP2
WAN	• 1 x RJ-11 port
LAN	• 4 x 10/100Mbps Auto-MDIX port
WPS Button	• Wi-Fi Protected Setup button
Wireless Button	• On/off wireless
Power Button	• On/off power
LED	• Power, Status, 10/100Mbps, Wireless, ADSL, Internet and WPS
Supported Browser	• Internet Explorer v5.5 or higher, Netscape 7.0 or higher, Mozilla 1.6 or higher
Power	• 12VDC, 1A external power adapter
Power Consumption	• 6W (max)
Dimensions (LxWxH)	• 175 x 130 x 30mm (6.90 x 5.12 x 1.18in.)
Weight	• 255g (8.99oz)
Temperature	• Operating: 0°C ~ 40°C (32°F ~ 10°4F); Storage: -20°C ~ 70°C (-4°F ~ 158° F)
Humidity	• Max 95% (non-condensing)
Certification	• FCC, CE

SPECIFICATIONS

Wireless

Frequency	• 2.412 ~ 2.4835 GHz
Modulation Technique	• 802.11n: BPSK, QPSK, 16QAM, 64QAM, OFDM • 802.11g: BPSK, QPSK, 16-QAM, 64-QAM, OFDM • 802.11b: DBPSK, DQPSK, CCK
Antenna	• 2 x fixed 2dBi antennas
Data Rate (auto fallback)	• 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11n: up to 300Mbps • 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps
Output Power	• 802.11b: 17dBm $\pm$ 1.5 (typical) • 802.11g: 15dBm $\pm$ 1.5 (typical) • 802.11n : 12.5dBm $\pm$ 1.5 (typical)
Receiving Sensitivity	• 802.11b: -86 $\pm$ 1.5 dBm (typical) • 802.11g: -70 $\pm$ 1.5 dBm (typical) • 802.11n: -69 $\pm$ 1.5 dBm (typical)
Encryption	• 64/128-bit WEP (Hex), WPA-PSK(TKIP), WPA2-PSK(AES), WPA-PSK/WPA2-PSK mixed (TKIP/AES) and WPA-802.1x
Channels	• 1 ~ 14 Channel (Universal Domain Selection)

NETWORKING SOLUTIONS

300Mbps Wireless N ADSL2/2+ Modem Router
(TEW-635BRM)

Workstation with 300Mbps Wireless N USB Adapter (TEW-624UB)

Internet

ADSL Ready Line

Phone Jack

Notebook with 300Mbps Wireless N PC Card (TEW-621PC)

Workstation with 300Mbps Wireless N PCI Adapter (TEW-623PI)

300Mbps

PACKAGE CONTENTS

- TEW-635BRM
- Multi-Language Quick Installation Guide
- CD-ROM (User's guide)
- 1 x RJ-45 Ethernet cable (1.5m,4.92ft.)
- 1 x RJ-11 cable (0.9m,3ft.)
- Power adapter (12VDC, 1A)

RELATED PRODUCTS

TEW-624UB	300Mbps Wireless N USB 2.0 Adapter
TEW-621PC	Wireless N PC Card
TEW-623PI	300Mbps Wireless N PCI Adapter

ORDERING INFORMATION

TRENDNET®

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