300Mbps Wireless Easy-N-Upgrader
TEW-637AP [V2.0R]

The 300Mbps Wireless Easy-N-Upgrader™ upgrades your old, perfectly functioning router, to high speed wireless n. Enjoy up to 12 times the speed and 6 times the coverage of a wireless g network

Eliminate wireless dead spots, seamlessly surf the Internet and help the environment by not throwing away your old router.

The compact 300Mbps Wireless Easy-N-Upgrader™ is designed around ease of use, performance and environmental friendliness. The latest in wireless encryption ensures wireless security. Advanced Multiple Input Multiple Output (MIMO) antenna technology eliminates wireless dead spots. Wireless Protected Setup (WPS) lets you integrate other WPS devices into your network quickly.

FEATURES

- A smaller and faster access point solution suitable for upgrading to wireless N
- Affordable wireless N device for easily migrating from wireless G and B networks
- Compatible with the 2.4GHz frequency work off of a single-band design
- Supports Wireless Distribution System (WDS) to extend wireless network
- Improves the data transfer speed by working with existing wireless G and B Networks
- Compliant with IEEE 802.11n (draft) standard, IEEE 802.11g, & 802.11b standards
- Universal wireless connectivity for seamless roaming between any 802.11-base network
- Up to 300Mbps data rate using 802.11n (draft) connection
- Support for 802.11e enhancements for wireless applications
- Wireless security support for WEP, WPA & WPA2
- Low Interference and high susceptibility guarantee reliable performance
- Supports WiFi Protected Setup (WPS) feature
- Supports Windows 95/98/NT/2000/XP/2003 server/Vista, Linux and Mac OS
- 2 antennas to support high speed performance and great coverage
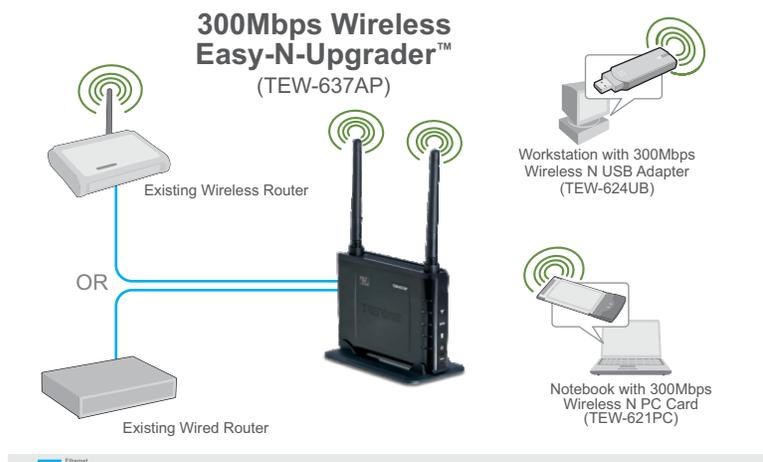- 3 year limited warranty

*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.

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SPECIFICATIONS

Hardware	
Standards	• IEEE 802.11n (draft 2.0), IEEE 802.11b, IEEE 802.11g. and 802.11e
Interface	• 1 x 10/100Mbps Auto-MDIX LAN port
LED Indicators	• Power, Link, WPS and Wireless
Power Supply	• 12V DC 0.5A external power adapter
Dimensions (LxWxH)	• 120 x 26 x 88 mm (4.7 x 1.0 x 3.4 inches)
Weight	• 145 g (5.11oz)
Temperature	• Operating: 0° to 40° C (32° ~ 104° F), Storage: -20° ~ 60°C (-4°~140°F)
Humidity	• Operating: 10% ~ 85% Non-Condensing • Storage: 5% ~ 90% Non-Condensing

Wireless	
Module Technique	• 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps) • 802.11g: OFDM with BPSK, QPSK and 16/64-QAM • 802.11n: OFDM with BPSK, QPSK and 16/64-QAM
WDS	• Enable/Disable Wireless Distribution System support
Access Control	• MAC Address Filter (Up to 64 entries)
Antenna	• 2 x 2dBi external fixed dipole antennas
Frequency	• 2.412 - 2.462 GHz (FCC) • 2.412 - 2.472 GHz (ETSI)
Media Access Protocol	• IEEE 802.11
Data Rate (auto fallback)	• 802.11n: up to 300Mbps • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, 1 Mbps • 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6 Mbps
Output Power	• 802.11n : 11dBm (typical) @MCS 15/HT40 • 802.11g: 15dBm (typical) @ 54Mbps • 802.11b: 18dBm (typical) @ 11Mpbs
Receiving Sensitivity	• 802.11n: -68dBm (typical) @ MCS15/HT20, -66dBm @ MCS15/HT40 • 802.11g: -72dBm (typical) @ 54Mbps • 802.11b: -84dBm (typical) @ 11Mpbs
Encryption	• 64/128-bit WEP (Hex & ASCII), WPA/WPA2 Radius, Radius, WPA/WPA2-PSK Encryption
Channels	• 1-11 (FCC) 1-13 (ETSI)

NETWORKING SOLUTIONS

300Mbps Wireless Easy-N-Upgrader™
(TEW-637AP)

Existing Wireless Router

OR

Existing Wired Router

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

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

Ethernet

RELATED PRODUCTS

• TEW-637AP

• Multi-Language Quick Installation Guide

• CD-ROM (Utility and User's Guide)

• One Cat5 cable (0.6m 2 ft.)

• Power adapter (12V DC, 0.5A)

RELATED PRODUCTS

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

ORDERING INFORMATION

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