N300 Wireless Easy-N-Upgrader
TEW-637AP [V3.0R]

The N300 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. GREENwifi technology reduces energy consumption by up to 50%.

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
- 1x 10/100Mbps Ethernet port
- 1x Wi-Fi Protected Setup (WPS) button
- 2x 2dBi fixed antennas
- Compliant with IEEE 802.11n, IEEE 802.11g, & 802.11b standards
- High-speed data rates of up to 300Mbps with IEEE 802.11n*
- Compact high performance wireless n access point
- Up to 50% energy savings with GREENwifi technology
- 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
- Broadcast up to 4 SSIDs with different wireless encryption
- Supports Wireless Distribution System (WDS) to extend wireless network
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) supported
- Improves the data transfer speed by working with existing wireless G and B Networks
- Wireless security support of up to WPA2-RADIUS
- Low Interference and high susceptibility guarantee reliable performance
- One-touch wireless security setup using the Wi-Fi Protected Setup (WPS) button
- Indoor coverage up to 100 meters (328ft.)*
- Outdoor coverage up to 300 meters (984ft.)*
- 3 Year 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

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standards</td>
<td>IEEE 802.11n, IEEE 802.11b, IEEE 802.11g, 802.3u and 802.3</td>
</tr>
<tr>
<td>Interface</td>
<td>1 x 10/100Mbps Auto-MDIX LAN port</td>
</tr>
<tr>
<td>CD Wizard OS Compatibility</td>
<td>Windows 7 (32/64-bit), Vista (32/64-bit), XP (32/64-bit), and 2000</td>
</tr>
<tr>
<td>LED Indicators</td>
<td>Power, Link, WPS and Wireless</td>
</tr>
<tr>
<td>Power Supply</td>
<td>12V DC 0.5A external power adapter</td>
</tr>
<tr>
<td>Dimensions (LxWxH)</td>
<td>120 x 26 x 88 mm (4.7 x 1.0 x 3.4 inches)</td>
</tr>
<tr>
<td>Weight</td>
<td>145 g (5.11oz)</td>
</tr>
<tr>
<td>Temperature</td>
<td>Operating: 0° to 40° C (32° ~ 104° F), Storage: -20° ~ 60°C (-4°~140°F)</td>
</tr>
<tr>
<td>Humidity</td>
<td>Max. 90% non-condensing</td>
</tr>
</tbody>
</table>

### Wireless

| Module Technique           | OFDM with BPSK, DQPSK, CCK, BPSK, QPSK, 16/64QAM with OFDM          |
| WDS                        | Enable/Disable Wireless Distribution System support                  |
| Antenna                    | 2 x 2dBi external fixed dipole antennas                              |
| Access Control             | MAC Address Filter (Up to 64 entries)                                |
| Frequency                  | 2.412 -2.484GHz                                                      |
| Data Rate (auto fallback)  | 802.11n: up to 300Mbps • 802.11g: up to 54Mbps • 802.11b: up to 11Mbps|
| Output Power               | 802.11b: 18dBm (typical) @ 11Mbps • 802.11g: 15dBm (typical) @ 54Mbps |
| Receiving Sensitivity      | 802.11b: -84dBm (typical) @ 11Mbps • 802.11g: -72dBm (typical) @ 54Mbps |
| 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™

300Mbps Wireless N 4-Port Media Bridge (TEW-640MB)

300Mbps Wireless N Gaming Adapter (TEW-647GA)

300Mbps Wireless N Gaming Adapter OR Game Consoles

300Mbps Wireless connection Ethernet connection

## PACKAGE CONTENTS

- TEW-637AP
- Multi-Language Quick Installation Guide
- CD-ROM (Utility and User’s Guide)
- 1 x network cable (0.6 m/ 2 ft.)
- Power adapter (12V DC, 0.5A)

## RELATED PRODUCTS

- TEW-640MB 300Mbps Wireless N 4-Port Media Bridge
- TEW-639GR 300Mbps Wireless N Gigabit Router
- TEW-647GA Wireless N Gaming Adapter

## ORDERING INFORMATION

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