



## N300 Easy-N-Range Extender TEW-736RE (V1.0R)

TRENDnet's N300 Easy-N-Range Extender, model TEW-736RE, extends the coverage of your existing wireless n network. Setup is simple, with no drivers to install. Simply press the Wi-Fi Protected Setup (WPS) button on your router or access point, then on the TEW-736RE and you're done—the 300Mbps Easy-N Range Extender is now extending your high performance wireless N network over a large area.

Multiple Input Multiple Output (MIMO) antenna technology dramatically increases wireless coverage with a high speed 300Mbps wireless network. Advanced encryption protects your data and Wireless Multimedia (WMM) Quality of Service technology prioritizes audio and video traffic. LED displays convey device and port status for easy troubleshooting.

## FEATURES

- 1x 10/100Mbps Ethernet port
- 1x Wi-Fi Protected Setup (WPS) button
- 2x 2dBi detachable antennas
- Compliant with IEEE 802.11n, IEEE 802.11g, and 802.11b standards
- Compact high performance wireless n range extender
- High-speed data rates of up to 300Mbps with IEEE 802.11n\*
- Up to 50% energy savings with GREENnet technology
- Supports up to WPA2-PSK wireless encryption
- One-touch wireless security setup using the Wi-Fi Protected Setup (WPS) button
- Low interference and high susceptibility deliver reliable performance
- Indoor coverage up to 100 meters (328 ft.)\*
- Outdoor coverage up to 300 meters (984 ft.)\*
- 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

<b>Standards</b>	<ul style="list-style-type: none"><li>• IEEE 802.11n , IEEE 802.11b, IEEE 802.11g, IEEE 802.3u, and IEEE 802.3</li></ul>
<b>Interface</b>	<ul style="list-style-type: none"><li>• 1 x 10/100Mbps Auto-MDIX LAN port</li></ul>
<b>LED Indicators</b>	<ul style="list-style-type: none"><li>• Power, LAN, WPS, and Wireless</li></ul>
<b>Buttons</b>	<ul style="list-style-type: none"><li>• Reset button – restores factory default settings</li><li>• WPS button- enables WPS function</li></ul>
<b>Power Supply</b>	<ul style="list-style-type: none"><li>• Input: 100 ~ 240V 0.5A AC, 50~60Hz</li><li>• Output: 12V DC, 0.5A external power adapter</li></ul>
<b>Dimensions (LxWxH)</b>	<ul style="list-style-type: none"><li>• 120 x 26 x 88 mm (4.7 x 1.0 x 3.4 in.)</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>• 145 g (5.1 oz.)</li></ul>
<b>Temperature</b>	<ul style="list-style-type: none"><li>• Operating: 0° ~ 40°C (32° ~ 104°F)</li><li>• Storage: -20°C ~ 60°C (-4° ~ 140°F)</li></ul>
<b>Humidity</b>	<ul style="list-style-type: none"><li>• Max. 90% non-condensing</li></ul>

### WIRELESS

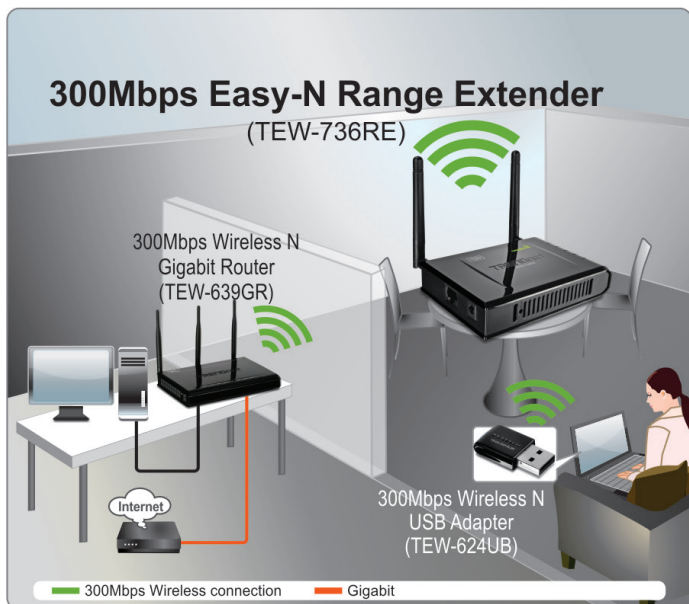
<b>Modulation</b>	<ul style="list-style-type: none"><li>• OFDM and CCK</li></ul>
<b>Antenna</b>	<ul style="list-style-type: none"><li>• 2 x 2dBi detachable antennas</li></ul>
<b>Frequency</b>	<ul style="list-style-type: none"><li>• 2.412 - 2.462GHz FCC</li><li>• 2.412 – 2.472GHz ETSI</li></ul>
<b>Data Rate (Auto Fallback)</b>	<ul style="list-style-type: none"><li>• 802.11b: up to 11Mbps</li><li>• 802.11g: up to 54Mbps</li><li>• 802.11n: up to 300Mbps</li></ul>
<b>Output Power</b>	<ul style="list-style-type: none"><li>• 802.11b: 18dBm (typical) @ 11Mbps</li><li>• 802.11g: 15dBm (typical) @ 54Mbps</li><li>• 802.11n: 15dBm (typical) @ 300Mbps</li></ul>
<b>Receiving Sensitivity</b>	<ul style="list-style-type: none"><li>• 802.11b: -84dBm (typical) @ 11Mbps</li><li>• 802.11g: -72dBm (typical) @ 54Mbps</li><li>• 802.11n: -68dBm (typical) @ 300Mbps</li></ul>
<b>Encryption</b>	<ul style="list-style-type: none"><li>• 64/128-bit WEP, WPA/WPA2-PSK (32/64-Bit)</li></ul>
<b>Channels</b>	<ul style="list-style-type: none"><li>• 1-11 (FCC), 1-13 (ETSI)</li></ul>
<b>Certifications</b>	<ul style="list-style-type: none"><li>• CE, FCC</li></ul>

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## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

- TEW-736RE
- Multi-Language Quick Installation Guide
- CD-ROM (User's Guide)
- Network cable (1.5 m / 5 ft.)
- Power adapter (12V DC, 0.5A)

## RELATED PRODUCTS

<b>TEW-AI770B</b>	Duo 7dBi Indoor Omni-Directional Antenna
<b>TEW-639GR</b>	300Mbps Wireless N Gigabit Router
<b>TEW-731BR</b>	300Mbps Wireless N Home Router

## CONTACT INFORMATION



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