



## AC1200 WiFi Range Extender

TEW-822DRE (v2.0R)

- Extends concurrent WiFi AC and N networks
- AC1200: 867 Mbps WiFi AC + 300 Mbps WiFi N bands\*
- Extreme speeds for buffer-free 4K / 3D / HD video streaming
- Plugs directly into an electrical outlet
- External antennas and high power amplifiers increase WiFi coverage
- Extender and Access Point modes
- Gigabit wired port

TRENDnet's AC1200 WiFi Range Extender, model TEW-822DRE, offers extreme wireless coverage to minimize existing wireless network dead spots. Setup takes minutes with no drivers to install and it stays out of the way by plugging directly into an outlet. Connect to either an existing WiFi N or WiFi AC router and extend concurrent WiFi N and AC networks into an area with little to no wireless signal.



### WiFi Everywhere

High performance WiFi amplifiers and external antennas broadcast strong AC1200 WiFi into areas with low or no coverage.



### WiFi Performance

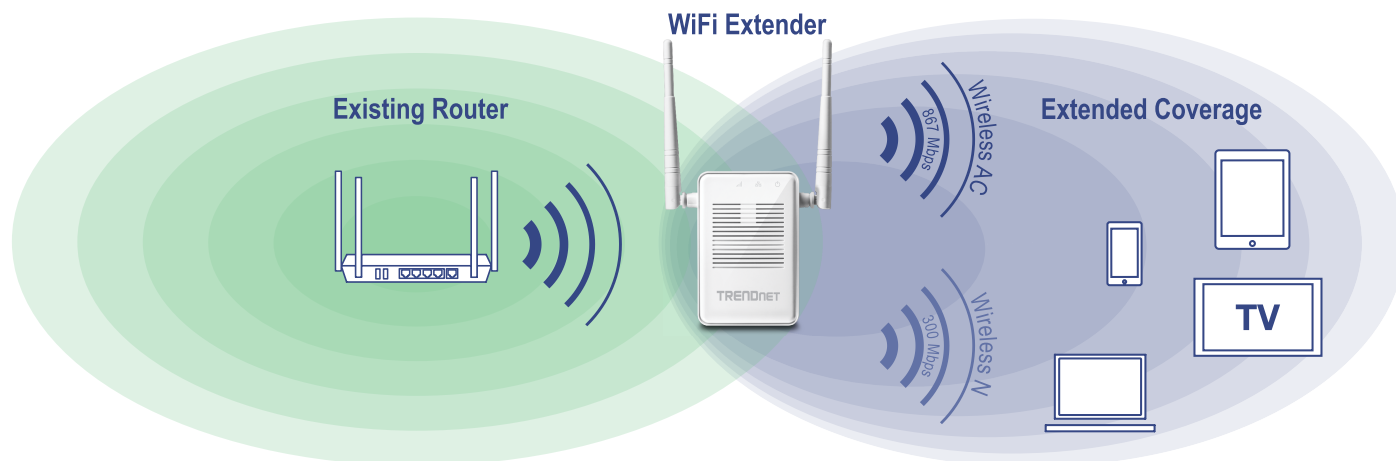
All home WiFi devices are supported by concurrent 867 Mbps WiFi AC and 300 Mbps WiFi N networks.



### Beamforming = Better

Beamforming increases real-time performance by directing stronger wireless signals to each device's specific location.

## Networking Solution





### Easy Setup

Quick intuitive setup connects to either a WiFi AC or WiFi N network and adopts existing WiFi settings



### AC1200 Dual Band

Broadcasts concurrent high speed 867 Mbps WiFi AC + 300 Mbps WiFi N networks



### Extreme Coverage

Adjustable external antennas, high power amplifiers, and multiple antenna technology produces extreme wireless coverage



### Gigabit Port

Gigabit port extends a high performance connection to a wired device



### No Clutter

The extender plugs directly into an outlet



### Operating Modes

External switch toggles between Extender (connects to a WiFi network) and Access Point (connects to a wired network) modes



### Encrypted Wireless

Supports the latest encryption standards



### Compatibility

Compatible with legacy wireless devices



### Targeted Beamforming

Increased real-time performance by directing stronger wireless signals to a device's specific location

## Specifications

### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3az
- IEEE 802.11a
- IEEE 802.11ac (up to 867 Mbps)
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (up to 300 Mbps)

### Device Interfaces

- Gigabit Ethernet port
- WPS Button
- AP / Extender / Off switch
- LED indicators
- Power plug
  - A: North America Type B (NEMA 5-15)
  - EU: Euro Type C (CEE 7/16)
  - UK: United Kingdom Type G (BS 1363)

### Operation Modes

- Range Extender (Repeater)
- Access Point

### Special Features

- High power amplifier
- MIMO antenna technology
- Compact form factor
- IPv6 (Link local, Static, SLAAC / DHCPv6)
- Beamforming
- Multiple SSID
- DFS channels

### SSID

- Up to 4 additional SSIDs

### Access Control

- Wireless encryption: WEP, WPA / WPA2-PSK, WPA / WPA2-RADIUS
- MAC filter
- Wireless user number limitation

### Frequency

- FCC: 2.412 - 2.462 GHz, 5.180 - 5.240 GHz, 5.745 - 5.825 GHz
- ETSI: 2.412 - 2.472 GHz, 5.180 - 5.580 GHz, 5.660 - 5.700 GHz

### Wireless Channels

- FCC: 1 - 11, 36, 40, 44, 48, (52, 56, 60, 64, 100, 104, 108, 112, 116, 132, 136, 140)
- ETSI: 1 - 13, 36, 40, 44, 48, (52, 56, 60, 64, 100, 104, 108, 112, 116, 132, 136, 140), 149, 153, 157, 161, 165\*\*

### Modulation

- BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM with OFDM

### Antenna Gain

- Dipole dual band antennae x 2
  - 5G: 3 dBi
  - 2.4G: 2 dBi

### Wireless Output Power (EIRP) / Receiving Sensitivity

- 802.11a: FCC: 22 dBm (typical), CE: 20 dBm (typical) / -65 dBm (typical) @ 54 Mbps
- 802.11b: FCC: 20 dBm (typical), CE: 20 dBm (typical) / -83 dBm (typical) @ 11 Mbps

- 802.11g: FCC: 27 dBm (typical), CE: 20 dBm (typical) / -65 dBm (typical) @ 54 Mbps
- 802.11n: FCC: 27 dBm (typical), CE: 20 dBm (typical) / -61 dBm (typical) @ 300 Mbps
- 802.11ac: FCC: 26 dBm (typical), CE: 20 dBm (typical) / -51 dBm (typical) @ 867 Mbps

### Power

- Input: 100 - 240 V AC, 50/60 Hz
- Consumption: 8.3 Watts (Max.)

### Operating Temperature

- 0 - 40 °C (32 - 104 °F)

### Operating Humidity

- Max. 95% non-condensing

### Certifications

- CE
- FCC
- UL
- IC

### Dimensions

- 150 x 130 x 60 mm (5.9 x 5.1 x 2.4 in.)

### Weight

- 265 g (9.3 oz.)

### Warranty

- 3 year limited

### Package Contents

- TEW-822DRE
- Multi-Language Quick Installation Guide
- CD-ROM (User's Guide)

\*For maximum performance of up to 867 Mbps use with an 802.11ac wireless client. 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

\*\*Due to regulatory requirements, the wireless channels specified cannot be statically assigned, but will be available within the available wireless channels when set to auto.

