TRENDnet®

AC1200 WiFi Range Extender

TEW-822DRE (v1.0R)

- 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 eliminate 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 low or no wireless.

Blasts Away Deadspots

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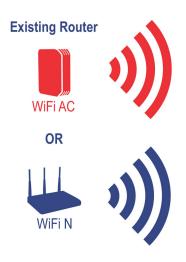
Extreme WiFi for All

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

Existing Router

WiFi AC

OR

WiFi N

867 Mbps Wireless AC

300 Mbps Wireless N

WiFi Extender

HD movies

Music

AND

Surfing

E-mail

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

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

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.