



## AC1750 Dual Band Wireless Access Point TEW-815DAP (v1.0R)

- High performance concurrent dual band Wireless AC access point
- AC1750: 1.3 Gbps Wireless AC + 450 Mbps Wireless N bands
- Access Point (AP), Client, Repeater, WDS, and WDS + AP modes
- Gigabit LAN port
- Connect devices with one-touch Wi-Fi Protected Setup (WPS)

TRENDnet's high performance AC1750 Dual Band Wireless Access Point, model TEW-815DAP, supports Access Point (AP), Client, Repeater, Wireless Distribution System (WDS) Bridge, and WDS + AP modes. The TEW-815DAP generates concurrent 1.3 Gbps Wireless AC and 450 Mbps Wireless N networks. Embedded GREENnet technology reduces power consumption by up to 50%.

## Ease of Use



### Multi-Mode Support

Supports Access Point (AP), Client, Repeater, Wireless Distribution System (WDS), and WDS + AP modes



### One Touch Connection

Securely connect to the access point at the touch of the Wi-Fi Protected Setup (WPS) button



### Multi Language

Multi Language Interface: English, Spanish, French, German, and Russian



### Logs

Real time logs and statistics help trouble shooting



### Simultaneous Dual Band

High performance 1.3 Gbps Wireless AC + 450 Mbps Wireless N bands



### Wireless Coverage

Extended wireless coverage with MIMO antenna technology



### Compatibility

Compatible with legacy wireless devices



### Gigabit Port

Gigabit LAN port maintains high performance connections to the wired network



### Energy Savings

Embedded GREENnet technology reduces power consumption by up to 50%



### IPv6

IPv6 network support



### Targeted Beamforming

Increased real-time performance by directing stronger wireless signals to your specific location

## Performance



### Encrypted Wireless

Support for wireless encryption up to WPA2



### Multiple SSIDs

Create up to four SSIDs per wireless band



### Next Generation Wireless AC

802.11ac provides uninterrupted HD video streaming in a busy connected environment

## Networking Solution

HD 3D movies

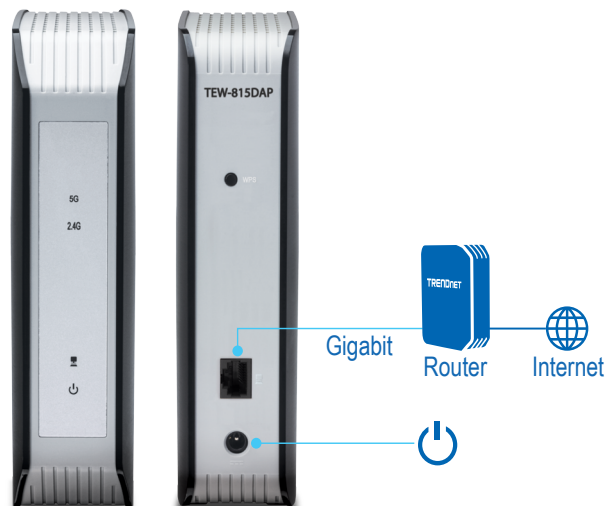
Gaming

Music

Surfing

Web chat

E-mail



## Specifications

### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (up to 450 Mbps)
- IEEE 802.11ac (draft 2.0, up to 1.3 Gbps)

### Hardware Interface

- 1 x Gigabit port
- Power switch (EU model only)
- WPS button
- LED indicators

### Operation Modes

- Access Point (AP), AP + WDS
- Wireless Distribution System (WDS)
- Repeater
- Client

### Special Features

- Concurrent dual band access point
- 1-to-2 repeater feature: repeats a single wireless band (Ex: 2.4 GHz) to both wireless bands (Ex: 2.4 and 5 GHz)
- IPv6 support (Static IPv6 and Auto-Configuration (SLAAC/DHCPv6))
- Multi-Language interface: English, French, Spanish, German, Russian

### SSID

- Up to 4 SSIDs per band (AP mode)

### Access Control

- Wireless encryption: WEP, WPA/WPA2-PSK, WPA/WPA2-RADIUS (AP mode)
- Access Controls: MAC Filter

### Frequency

- 2.4GHz: FCC 2.412 - 2.462 GHz, ETSI: 2.412 - 2.472 GHz
- 5GHz: FCC 5.180 - 5.240 + 5.745 - 5.825, ETSI: 5.180 - 5.240 GHz

### Modulation

- 802.11b: CCK, DQPSK, DBPSK
- 802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM sub carrier with OFDM
- 802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256QAM with OFDM

### Wireless Channel

- 2.4 GHz: FCC: 1-11, ETSI: 1 - 13
- 5 GHz: FCC: 36, 40, 44, 48, 149, 159, 157, 161 and 165, ETSI: 36, 40, 44, 48

### Antenna Gain

- 2.4 GHz: 6 dBi (max.) internal PIFA
- 5 GHz: 6 dBi (max.) internal PIFA

### Wireless Output Power/Receiving Sensitivity

- 802.11a: FCC: 22 dBm, CE: 18 dBm (max.)/-68 dBm (typical) @ 54 Mbps
- 802.11b: 19 dBm (max.)/-84 dBm (typical) @ 11 Mbps
- 802.11g: 18 dBm (max.)/-72 dBm (typical) @ 54 Mbps
- 802.11n: FCC: 18 dBm (max.)/-68 dBm (typical) @ 450 Mbps 2.4 GHz
- 802.11n: FCC: 22 dBm, CE: 18 dBm (max.)/-68 dBm (typical) @ 450 Mbps 5 GHz
- 802.11ac: FCC: 23 dBm, CE: 19 dBm (max.)/-55 dBm (typical) @ 1.3 Gbps

### Power

- Input: 100 - 240 V, 50 - 60 Hz, 0.8 A

- Output: 12 V DC, 2 A
- Consumption: 20 Watts (max.)

### Operating Temperature

- 0 - 40 °C (32 - 104 °F)

### Operating Humidity

- Max. 85% non-condensing

### Certifications

- CE
- FCC

### Dimensions

- 48 x 155 x 180 mm (1.9 x 6.1 x 7.1 in.)

### Weight

- 340 g (12 oz.)

### Warranty

- 3 year limited

### Package Contents

- TEW-815DAP
- Multi-language Quick Installation Guide
- CD-ROM (User's Guide)
- Network cable (1.5 m/5 ft.)
- Power adapter (12 V DC, 2 A)

\*For maximum performance of up to 1.3 Gbps use with a 1.3 Gbps 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.

