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

Performance

Encrypted Wireless

Support for wireless encryption up to WPA2

Multiple SSIDs

Create up to four SSIDs per wireless band

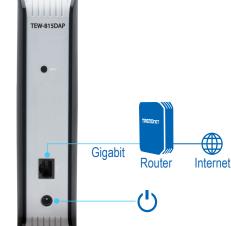**Next Generation Wireless AC**

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

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

Networking Solution

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.