AC1200 Dual Band Wireless Access Point
TEW-814DAP (v1.0R)

- High performance concurrent dual band Wireless AC access point
- AC1200: 867 Mbps Wireless AC + 300 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 AC1200 Dual Band Wireless Access Point, model TEW-814DAP, supports Access Point (AP), Client, Repeater, Wireless Distribution System (WDS) Bridge, and WDS + AP modes. The TEW-814DAP generates concurrent 867 Mbps Wireless AC and 300 Mbps Wireless N networks. Embedded GREENnet technology reduces power consumption by up to 50%.
Next Generation Wireless AC
802.11ac provides uninterrupted HD video streaming in a busy connected environment

Simultaneous Dual Band
High performance 867 Mbps Wireless AC + 300 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

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

Encrypted Wireless
Support for wireless encryption of up to WPA2

Multiple SSIDs
Create up to four SSIDs per wireless band

Energy Savings
Embedded GREENet technology reduces power consumption

IPv6
IPv6 network support

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

Networking Solution

4K HD movies
HD gaming
Music
Surfing
Web chat
E-mail

WPS
Gigabit
On/off switch
Power
# Specifications

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

## Hardware Interface
- 1 x Gigabit port
- Power switch
- WPS button
- LED indicators

## Operation Modes
- Access Point (AP), AP + WDS
- Repeater
- Client

## Special Features
- Concurrent dual band access point
- 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

## 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, 256 QAM with OFDM

## Antenna Gain
- 5 GHz: 5.88 dBi (max.) internal
- 2.4 GHz: 6.32 dBi (max.) internal

## Wireless Output Power/Receiving Sensitivity
- 802.11a: FCC: 20 dBm, CE: 22 dBm (max.)/-73 dBm (typical) @ 54 Mbps
- 802.11b: FCC: 24 dBm, CE: 13 dBm (max.)/-84 dBm (typical) @ 11 Mbps
- 802.11g: FCC: 22 dBm, CE: 14 dBm (max.)/-70 dBm (typical) @ 54 Mbps
- 802.11n (2.4 GHz): FCC: 22 dBm, CE: 14 dBm (max.)/-66 dBm (typical) @ 300 Mbps
- 802.11n (5 GHz): FCC: 20 dBm, CE: 22 dBm (max.)/-66 dBm (typical) @ 300 Mbps
- 802.11ac: FCC: 18 dBm, CE: 21 dBm (max.)/-56 dBm (typical) @ 867 Mbps

## Wireless Channel
- 5 GHz: FCC: 36, 40, 44, 48, 149, 159, 157, 161 and 165, ETSI: 36, 40, 44, 48

## Power
- Input: 100 – 240 V AC, 50 - 60 Hz, 0.5 A
- Output: 12 V DC, 1 A external power adapter
- Consumption: 8.8 Watts (max.)

## Operating Temperature
- 0 – 40 °C (32 – 104 °F)

## Operating Humidity
- Max. 95% non-condensing

## Certifications
- CE
- FCC

## Dimensions
- 45 x 120 x 164 mm (1.8 x 4.7 x 6.5 in.)

## Weight
- 260 g (9.2 oz.)

## Warranty
- 3 year limited

## Package Contents
- TEW-814DAP
- Multi-Language Quick Installation Guide
- CD-ROM (User's Guide)
- Network cable (1.5 m/5 ft.)
- Power adapter (12 V DC, 1 A)

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*For maximum performance of up to 867 Mbps use with an 867 Mbps 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.*