



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%.

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Next Generation Wireless AC
 802.11ac provides uninterrupted HD video streaming in a busy connected environment
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Simultaneous Dual Band
 High performance 867 Mbps Wireless AC + 300 Mbps Wireless N bands
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Wireless Coverage
 Extended wireless coverage with MIMO antenna technology
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Compatibility
 Compatible with legacy wireless devices
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Gigabit Port
 Gigabit LAN port maintains high performance connections to the wired network
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Multi-Mode Support
 Supports Access Point (AP), Client, Repeater, Wireless Distribution System (WDS), and WDS + AP modes
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One Touch Connection
 Securely connect to the access point at the touch of the Wi-Fi Protected Setup (WPS) button

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Multi Language
 Multi Language Interface: English, Spanish, French, German, and Russian
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Logs
 Real time logs and statistics help trouble shooting
- 
Encrypted Wireless
 Support for wireless encryption of up to WPA2
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Multiple SSIDs
 Create up to four SSIDs per wireless band
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Energy Savings
 Embedded GREENnet technology reduces power consumption
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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 



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

- 5 GHz: FCC 5.180 – 5.240 + 5.745 – 5.825, ETSI: 5.180 – 5.240 GHz
- 2.4 GHz: FCC 2.412 – 2.472, ETSI: 2.412 – 2.462 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, 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, 167, 161 and 165, ETSI: 36, 40, 44, 48
- 2.4 GHz: FCC: 1 - 11, ETSI: 1 - 13

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)

*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

