



AC1200 Dual Band PoE Access Point

TEW-821DAP (v1.0R)

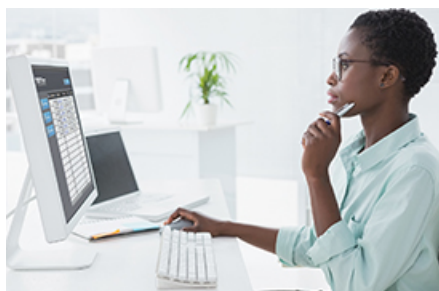
- High performance AC1200 PoE access point
- AC1200: concurrent 867 Mbps WiFi AC + 300 Mbps WiFi N bands
- Access Point, Client, WDS AP, WDS Bridge, WDS Station, and Repeater modes
- Included software utility aides WiFi network management
- Gigabit PoE LAN port
- Off-white low profile housing blends into the environment
- Mounting plate

TRENDnet's high performance AC1200 Dual Band Wireless PoE Access Point, model TEW-821DAP, supports Access Point (AP), Client, Wireless Distribution System (WDS) AP, WDS Bridge, WDS Station, and Repeater modes. It generates concurrent 867 Mbps WiFi AC and 300 Mbps WiFi N networks. The included Windows-based software utility manages multiple TEW-821DAPs and reduces WiFi management and troubleshooting time. It features advanced access control, QoS, traffic management, band steering, and captive portal support. The low profile blends into most environments and a mounting plate eases installation.



Access Point Flexibility

Concurrent 867 Mbps WiFi AC and 300 Mbps WiFi N combined with AP, Client, WDS, and Repeater modes support multiple applications.



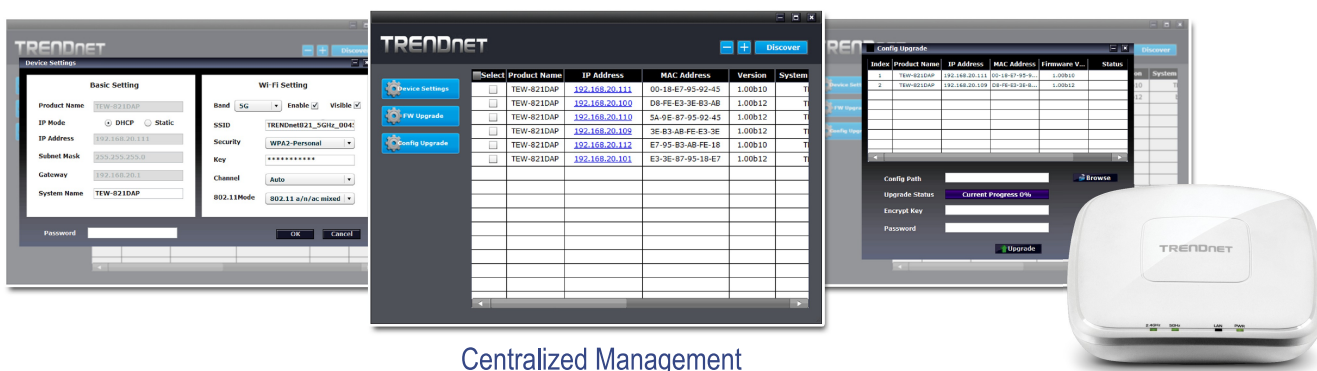
Centralized Management

The included Windows based software utility manages multiple TEW-821DAPs and reduces WiFi management and troubleshooting time.



Easy Installation

Saves remote location installation time and costs with Gigabit Power over Ethernet (PoE) support and a convenient mounting plate.



Centralized Management

Networking Solution



- ① Mounting plate
- ② LED indicators can be turned off



- ③ Gigabit PoE LAN port
- ④ Optional power port for non-PoE installations
- ⑤ Reset button
- ⑥ Low profile off white housing





Multi-Language

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



Power over Ethernet (PoE)

Saves remote location installation time and costs with Gigabit PoE support (Optional power port for non-PoE installations)



Concurrent Dual Band

AC1200: concurrent 867 Mbps WiFi AC + 300 Mbps WiFi N bands



Multi-Mode Support

Supports Access Point (AP), Client, WDS AP, WDS Bridge, WDS Station, and Repeater modes for each WiFi band independently



AP Utility

The included Windows-based utility reduces WiFi configuration and setup time



Gigabit Port

Gigabit PoE LAN port maintains high performance connections to the wired network



Wireless Coverage

Extended wireless coverage with MIMO antenna technology



Encrypted Wireless

Support for wireless encryption of up to WPA2



Band Steering

Band steering alleviates network congestion by automatically directing wireless devices from the 2.4 GHz band to the 5 GHz band



WiFi Traffic Shaping

Manage traffic allocation per VLAN for each band separately



Multiple SSIDs

Create up to 8 SSIDs per band (16 total)



IPv6

IPv6 network support



Low Profile

Off white low profile shape blends into most environments



LED Control

Further reduce product visibility by turning off LED indicators



Mounting Plate

Mounting plate reduces installation time

Specifications

Standards

- IEEE 802.1Q
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3af
- 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 PoE Gigabit LAN port
- Power port (optional non-PoE installation)
- Reset button
- LED indicators
- Mounting plate

Special Features

- Concurrent Dual band
- Band Steering
- WiFi traffic shaping
- 802.1Q VLAN assignment per SSID
- IPv6 support (Link-Local, Static IPv6, Auto-Configuration (SLAAC/DHCPv6))
- Multi-Language interface, English, French, Spanish, German, Russian
- LEDs on/off
- Captive Portal (External Coovachilli server authentication)
- Internal Captive Portal (Local user account authentication and customizable portal page)
- 802.11k roaming assistance support
- RSSI Scanner (Client signal strength and tolerance)

Operation Modes

- Access Point
- Client
- WDS AP
- WDS Bridge

- WDS Station
- Repeater

Management/Monitoring

- Web based management
- Software utility
- SNMP v1/v3
- STP
- Event logging
- Ping test
- Traceroute
- CLI

Utility OS Compatibility

- Windows® 10, 8.1, 8, 7, Vista, XP

Access Control

- Wireless encryption: WEP, WPA/WPA2-PSK, WPA/WPA2-RADIUS
- MAC filter
- Maximum client limit

QoS

- WMM
- Traffic shaping per SSID

SSID

- Up to 8 SSIDs per wireless band (16 total)

Frequency

- 2.4 GHz: 2.412 – 2.472 GHz
- 5 GHz: 5.180 – 5.8525 GHz

Wireless Channels

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

Modulation

- DBPSK/DQPSK/CCK for DSSS technique
- BPSK/QPSK/16-QAM/64-QAM/256-QAM for OFDM technique

Antenna Gain

- 2.4 GHz: 2 x 4 dBi
- 5 GHz: 2 x 4 dBi

Wireless Output Power/Receiving Sensitivity

- 802.11a: FCC: 24 dBm (Max.), CE: 22 dBm (Max.), IC: 24 dBm (Max.) / -65 dBm (typical) @ 54 Mbps
- 802.11b: FCC: 23 dBm (Max.), CE: 10 dBm (Max.), IC: 23 dBm (Max.) / -83 dBm (typical) @ 11 Mbps
- 802.11g: FCC: 19 dBm (Max.), CE: 12 dBm (Max.), IC: 19 dBm (Max.) / -65 dBm (typical) @ 54 Mbps
- 802.11n: FCC: 19 dBm (Max.), CE: 12 dBm (Max.), IC: 19 dBm (Max.) / -64 dBm (typical) @ 300 Mbps 2.4 GHz
- 802.11n: FCC: 24 dBm (Max.), CE: 22 dBm (Max.), IC: 24 dBm (Max.) / -61 dBm (typical) @ 300 Mbps 5 GHz
- 802.11ac: FCC: 15 dBm (Max.), CE: 22 dBm (Max.), IC: 19 dBm (Max.) / -51 dBm (typical) @ 866 Mbps

Power

- 12 V / 1 A consumption: 9.6 Watts Max.

Operating Temperature

- 0 – 40 °C (32 – 104 °F)

Operating Humidity

- Max. 95 % non-condensing

Certifications

- CE
- FCC

Dimensions

- 187 x 187 x 46 mm (7.3 x 7.3 x 1.8 in.)

Weight

- 408 g (14.4 oz.)

Warranty:

- 3 year limited

Package Contents

- TEW-821DAP
- 5 ft. (1.5 m) network cable
- CD-ROM (Utility and User's Guide)
- Quick Installation Guide
- Power adapter (12 V DC, 1 A)
- Mounting Plate

*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. For maximum performance of up to 867Mbps use with an 867Mbps 802.11ac wireless adapter. For maximum performance of up to 300Mbps, use with a 300Mbps 802.11n wireless adapter.

**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.

