



## AC1200 Dual Band PoE Access Point (with software controller)

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 controller 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 controller 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 controller 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.

Select	Product Name	IP Address	MAC Address	Version	System
<input type="checkbox"/>	TEW-821DAP	192.168.20.111	00-19-E7-95-92-45	1.00B10	T
<input type="checkbox"/>	TEW-821DAP	192.168.20.100	D6-FE-E3-3E-83-4B	1.00B12	T
<input type="checkbox"/>	TEW-821DAP	192.168.20.110	5A-9E-87-95-92-45	1.00B12	T
<input type="checkbox"/>	TEW-821DAP	192.168.20.102	3E-83-4B-FE-E3-3E	1.00B12	T
<input type="checkbox"/>	TEW-821DAP	192.168.20.112	E7-95-83-AB-FE-18	1.00B10	T
<input type="checkbox"/>	TEW-821DAP	192.168.20.101	E3-3E-87-95-18-E7	1.00B12	T

Centralized Management

## Networking Solution

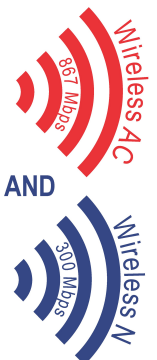


- 1 Mounting plate
- 2 LED indicators can be turned off



- 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



### Software Controller

The included Windows-based Software Controller manages multiple TEW-821DAPs and reduces WiFi configuration, management, and troubleshooting 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)



### Targeted Beamforming

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



### 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 802.3at
- 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

- Software controller
- Concurrent Dual band
- Band Steering
- WiFi traffic shaping
- Beamforming
- 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

### Operation Modes

- Access Point
- Client
- WDS AP
- WDS Bridge
- WDS Station
- Repeater

### Management/Monitoring

- Web based management
- Software controller
- SNMP v1/v3

- STP
- Event logging
- Ping test
- Traceroute
- CLI

### Software Controller

- Central management for multiple devices
- Wireless settings management
- Wireless security settings management
- Firmware upload

### Software Controller Supported OS

- Windows® 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

### EIRP

- 2.4 GHz: FCC: up to 30 dBm, CE: up to 19 dBm, IC: up to 30 dBm
- 5 GHz: FCC: up to 31 dBm, CE: up to 29 dBm, IC: up to 31 dBm

### 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

- 456 g (16 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 bracket

