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.

**Networking Solution**  
- Mounting plate
- LED indicators can be turned off
- Gigabit PoE LAN port
- Optional power port for non-PoE installations
- Reset button
- Low profile off white housing
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 802.3ab
- 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

- 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

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

Modulation

- DBPSK/DQPSK/CKC 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, CE: 22 dBm (Max.) / -65 dBm (typical) @ 54 Mbps
- 802.11b: FCC: 23 dBm (Max.), CE: 10 dBm (Max.) / -83 dBm (typical) @ 11 Mbps
- 802.11g: 19 dBm (Max.), CE: 12 dBm (Max.) / -65 dBm (typical) @ 54 Mbps
- 802.11n: FCC: 19 dBm (Max.), CE: 12 dBm (Max.) / -64 dBm (typical) @ 300 Mbps 2.4 GHz
- 802.11ac: FCC: 24 dBm, CE: 22 dBm (Max.) / -61 dBm (typical) @ 300 Mbps 5 GHz
- 802.11ac: FCC: 15 dBm, CE: 22 dBm (Max.) / -51 dBm (typical) @ 867 Mbps

EIRP

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

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