



AC1300 Dual Band PoE Indoor Wireless Access Point

TEW-823DAP (v1.0R)

- High performance AC1300 PoE access point
- Wireless AC MU-MIMO technology boosts performance in a busy home
- AC1300: concurrent 867Mbps WiFi AC + 400Mbps WiFi N bands
- Access Point and Repeater modes
- Supports the latest WPA3 wireless encryption
- Gigabit PoE LAN port
- Low-profile housing blends into most environments
- Includes wall / ceiling mounting plate

TRENDnet's high performance AC1300 Dual Band Indoor Wireless PoE Access Point, model TEW-823DAP, supports Access Point (AP and Repeater modes. This wireless indoor access point generates concurrent 867Mbps WiFi AC and 400Mbps WiFi N networks. MU-MIMO technology processes multiple data streams simultaneously, increasing real-time WiFi performance when multiple devices access the network. The wireless access point features access control, bandwidth control, and band steering. The low-profile housing design blends into most environments and includes a convenient wall / ceiling mounting plate.



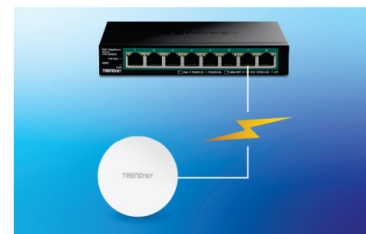
AC1300 WiFi

Two concurrent high-speed WiFi bands to maximize device networking speeds: 867Mbps WiFi AC on 5GHz and 400Mbps WiFi N on 2.4GHz.



Built For Busy Environments

MU-MIMO technology processes multiple data streams simultaneously, increasing real-time WiFi performance when multiple devices access the network.



Power over Ethernet (PoE)

Saves installation time and setup costs with gigabit PoE support, delivering power and data over one set of cables.

FEATURES



Concurrent Dual Band

AC1300: concurrent 867Mbps WiFi AC + 400Mbps WiFi N bands



Power over Ethernet (PoE)

Saves installation time and costs with gigabit PoE support



WiFi Operation Modes

Supports Access Point (AP) and Repeater modes.



Gigabit Port

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



Wireless Coverage

Extended wireless coverage with MU-MIMO antenna technology



MU-MIMO Performance

MU-MIMO technology enables the access point to process multiple data streams simultaneously, and increases real-time WiFi performance



Encrypted Wireless

Support for wireless encryption of up to WPA3



Band Steering

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



Multiple SSIDs

Create up to 8 SSIDs per band (16 total)



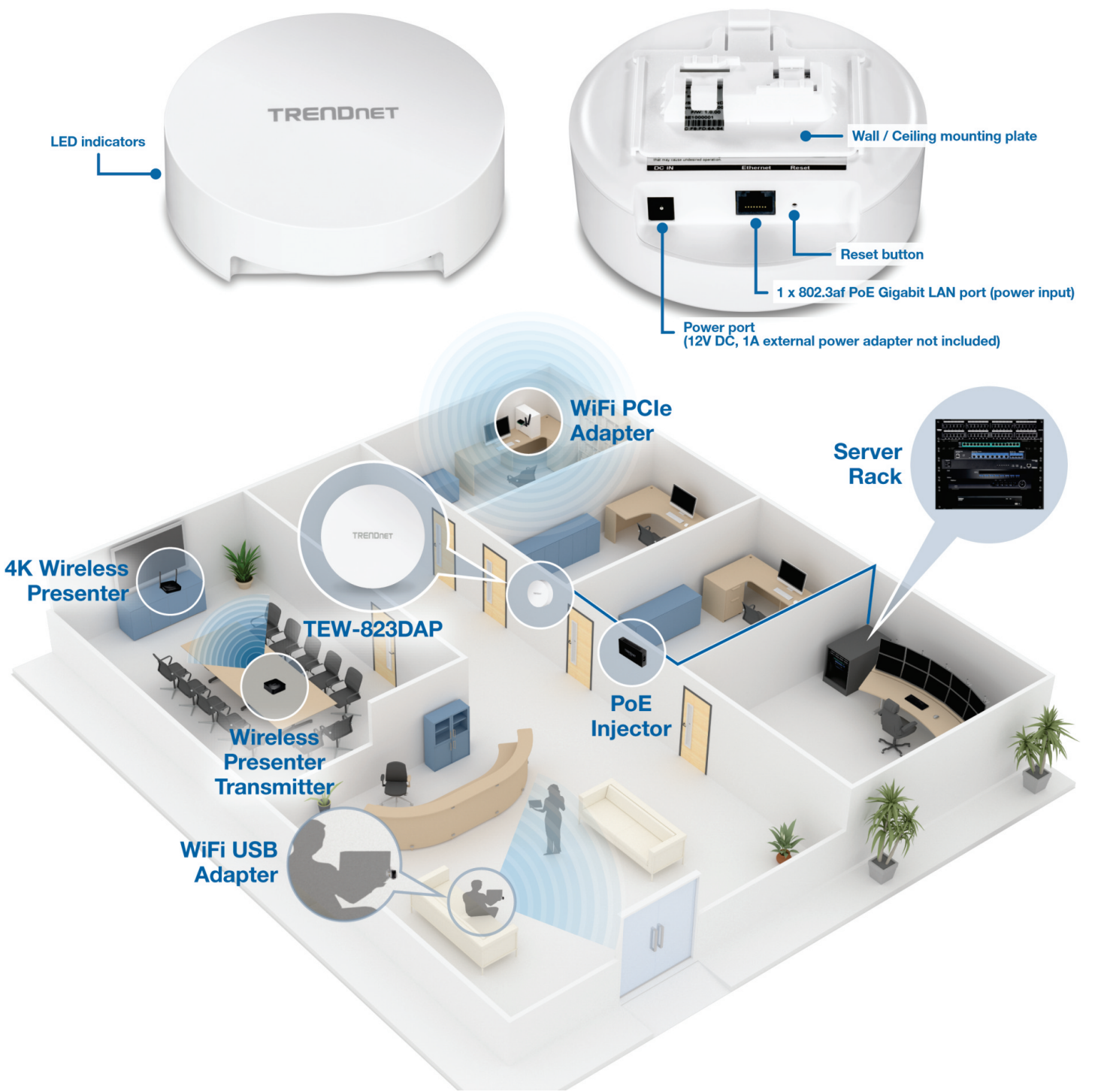
Low Profile

Low-profile housing design blends into most environments



Mounting Plate

Wall / Ceiling mounting plate



SPECIFICATIONS

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3af
- IEEE 802.1Q
- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11k
- IEEE 802.11n (up to 400Mbps)*
- IEEE 802.11r
- IEEE 802.11v
- IEEE 802.11ac (up to 867Mbps)*

Hardware Interface

- 1 x 802.3af PoE Gigabit LAN port (power input)
- Power port (12V DC, 1A external power adapter not included)
- LED indicator
- Reset button

Features

- MU-MIMO
- Band steering
- 802.1Q VLAN assignment per SSID
- IPv4 static/DHCP address assignment
- UPnP/Bonjour

Operation Modes

- Access Point
- Repeater

Management/Monitoring

- Web based management (HTTP/HTTPS)
- Command Line Interface (Telnet/SSH)
- SNMP v2c/v3
- Spanning Tree Protocol (STP)
- Event logging
- Ping test
- Traceroute
- Schedule WiFi radio enable/disable
- Ping watchdog/gateway connection monitor
- Reboot & scheduled automatic reboot
- Channel utilization scan

Access Control

- Wireless encryption: WPA2/WPA3-RADIUS (Enterprise), WPA2/WPA3-PSK (Personal)
- MAC filter with scheduling
- Maximum client limit
- Client isolation

QoS

- Bandwidth control per SSID

SSID

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

Frequency

- 2.4GHz: 2.412 – 2.472GHz
- 5GHz: 5.180 – 5.825GHz

Wireless Channels

- 2.4GHz: FCC: 1–11, ETSI: 1–13
- 5GHz: FCC: 36, 40, 44, 48, 149, 153, 157, 161 and 165, ETSI: 36, 40, 44, 48

Modulation

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

MIMO Configuration

- 5GHz: 2x2:2
- 2.4GHz: 2x2:2

Antenna Gain

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

Wireless Output Power

- 802.11a: FCC: 28.5 dBm (max.) / CE: 19 dBm (max.)
- 802.11b: FCC: 26.5 dBm (max.) / CE: 18 dBm (max.)
- 802.11g: FCC: 30 dBm (max.) / CE: 19 dBm (max.)
- 802.11n (2.4GHz): FCC: 24.5 dBm (max.) / CE: 19.5 dBm (max.)
- 802.11n (5GHz): FCC: 28.5 dBm (max.) / CE: 21 dBm (max.)
- 802.11ac: FCC: 28.5 dBm (max.) / CE: 21 dBm (max.)

Receiving Sensitivity

- 802.11a: -73 dBm (typical) @ 54Mbps
- 802.11b: -87 dBm (typical) @ 11Mbps
- 802.11g: -73 dBm (typical) @ 54Mbps
- 802.11n (2.4 GHz): -68 dBm (typical) @ 400Mbps
- 802.11n (5 GHz): -67 dBm (typical) @ 400Mbps
- 802.11ac: -57 dBm (typical) @ 867 Mbps

Power

- IEEE 802.3af Type 1 PoE PD Class 3
- Input: 100 - 240V AC, 50/60Hz, Output: 12V DC, 1A external power adapter (not included)
- Max. consumption: 11.9W

Operating Temperature

- 0° – 40° C (32° – 104° F)

Operating Humidity

- Max. 90% non-condensing

Certifications

- CE
- FCC
- IC

Dimensions

- 130 x 130 x 46mm (5.12 x 5.12 x 1.8 in.)

Weight

- 188g (6.7 oz.)

Warranty:

- 3 year

Package Contents

- TEW-823DAP
- Quick Installation Guide
- Network cable (0.5m / 1.64 ft.)
- Mounting plates

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.