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TRENDnet AX3000 Dual Band WiFi 6 PoE+ Access Point, TEW-923DAP, 1 x 2.5GBASE-T PoE+ LAN Port, OFDMA and MU-MIMO Technology, 2402Mbps (5Ghz), 573Mbps (2.4Ghz), WPA3 Ecryption, White

TEW-923DAP (v1.0R)

- DEVICE INTERFACE: 1 x 802.3at PoE+ 2.5GBASE-T PoE+ LAN port (Power Input); Power Port (12V DC, 1A external power adapter not included); LED Indicator; Reset Button
- BUILT FOR BUSY ENVIRONMENTS: MU-MIMO technology enables the access point to process multiple data streams simultaneously along with WiFi 6 OFDMA technology to increase real-time WiFi performance
- AX3000 WIFI 6: Two concurrent high-speed WiFi 6 bands to maximize device networking speeds: 2402Mbps on 5GHz and 573Mbps on 2.4GHz.
- LOW PROFILE HOUSING: The PoE+ Access Point blends into most environments, and includes a convenient wall/ ceiling mounting plate
- ENCRYPTED WIRELESS: The dual band access point provides 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
- WIFI OPERATION MODES: Supports Access Point (AP) and Repeater modes
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's high-performance AX3000 Dual Band WiFi 6 PoE+ Access Point, model TEW-923DAP, features two concurrent WiFi bands to maximize networking speeds with the latest WiFi 6 technology. The two separate high-speed WiFi 6 bands provide speeds up to 2402Mbps on the 5GHz band and 573Mbps on the 2.4GHz band. The access point also supports Access Point (AP) and Repeater modes.

Faster speeds are possible on this WiFi 6 access point with 1024-QAM, OFDMA, and MU-MIMO technologies. 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.

Easily manage and configure TRENDnet's AX3000 Dual Band WiFi 6 PoE+ Access Point remotely with TRENDnet Hive. TRENDnet Hive is a remote network cloud manager that reduces management time and cost. No additional hardware, server, or personal cloud is required with this WiFi 6 access point and TRENDnet's reliable cloud service.

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AX3000 WiFi 6

Two concurrent high-speed WiFi 6 bands to maximize device networking speeds: 2402Mbps on 5GHz and 573Mbps on 2.4GHz.

Power over Ethernet (PoE+)

Saves installation time and setup costs with 2.5GbE PoE+ support, delivering power and data over one set of cables.

Built For Busy Environments

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

FEATURES

Concurrent Dual Band

AX3000: concurrent 2402Mbps on 5GHz band + 573Mbps on 2.4GHz band

Power over Ethernet (PoE+)

Saves installation time and setup costs with 2.5GbE PoE+ support

WiFi Operation Modes

Supports Access Point (AP) and Repeater modes

MU-MIMO & OFDMA Performance

MU-MIMO technology enables the access point to process multiple data streams simultaneously along with WiFi 6 OFDMA technology to increase real-time WiFi performance

Band Steering

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

WiFi Traffic Shaping

Manage traffic allocation on the WiFi 6 access point per SSID for each band separately

Encrypted Wireless

Support for wireless encryption of up to WPA3

Multiple SSIDs

Create up to 8 SSIDs per band (16 total)

2.5GBASE-T PoE+ Port

2.5GBASE-T PoE+ LAN port maintains a high-performance connection to the wired network

LED Control

LED control reduces product visibility by disabling the LED indicator

Low Profile

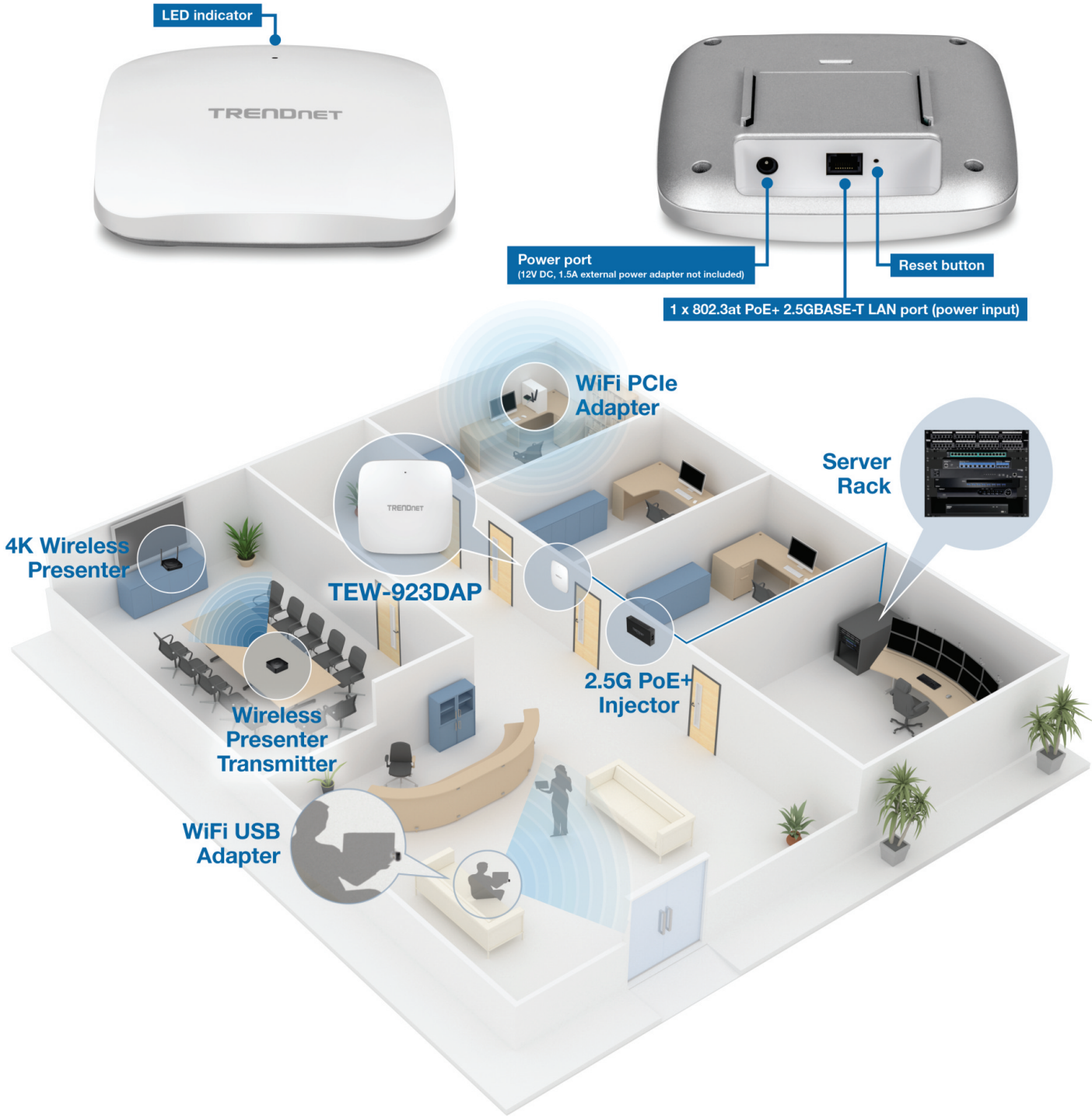Low-profile housing design blends into most environments

Mounting Plate

Wall / Ceiling mounting plate

Hive Enabled (Optional)

Remotely monitor, manage, configure, and diagnose this WiFi 6 access point via TRENDnet's cloud service (Additional fee applies)

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LED indicator

Power port
(12V DC, 1.5A external power adapter not included)

Reset button

1 x 802.3at PoE+ 2.5GBASE-T LAN port (power input)

WiFi PCIe
Adapter

Server
Rack

4K Wireless
Presenter

TEW-923DAP

Wireless
Presenter
Transmitter

2.5G PoE+
Injector

WiFi USB
Adapter

SPECIFICATIONS

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3at
- IEEE 802.3bz
- IEEE 802.1Q
- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11k**
- IEEE 802.11n (up to 300Mbps)*
- IEEE 802.11r**
- IEEE 802.11v
- IEEE 802.11ac (up to 867Mbps)*
- IEEE 802.11ax (up to 2402Mbps on 5GHz, up to 573Mbps on 2.4GHz)*

Hardware Interface
- 1 x 802.3at PoE+ 2.5GBASE-T LAN port (power input)
- Power port (12V DC, 1.5A 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

Hive Cloud Management***
- Configure, monitor, and manage through the TRENDnet Hive Cloud Management Portal remotely via PC or Mac web browser, or through the mobile app
- Multi-device management
- Provisioning through scheduled batch firmware or configuration updates for multiple switches
- Event/hardware network monitoring (CPU/memory utilization)
- Configure features such as IP address settings, WiFi settings, operation modes, and LED control through cloud management

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-SAE (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, 52, 56, 60, 64, 100, 104, 408, 112, 116, 120, 124, 128, 132, 136, 140, 149, 153, 157, 161 and 165, ETSI: 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140

Modulation
- DBPSK/DQPSK/CCK for DSSS technique
- BPSK/QPSK/16-QAM/64-QAM/256-QAM/1024-QAM for OFDM/OFDMA technique

MIMO Configuration
- 5GHz: 2x2:2
- 2.4GHz: 2x2:2

Antenna Gain
- 2.4GHz: 2 x 4.5 dBi internal
- 5GHz: 2 x 5.5 dBi internal

Wireless Output Power
- 802.11b/g/n/ac/ax (2.4GHz): FCC: 18 dBm (max.) / CE: 18 dBm (max.)
- 802.11a/n/ac/ax (5GHz): FCC: 18 dBm (max.) / CE: 18 dBm (max.)

Receiving Sensitivity
- 802.11a: -72 dBm (typical) @ 54Mbps
- 802.11b: -97 dBm (typical) @ 11Mbps
- 802.11g: -75 dBm (typical) @ 54Mbps
- 802.11n (2.4 GHz): -72 dBm (typical) @ 300Mbps
- 802.11n (5 GHz): -70 dBm (typical) @ 300Mbps
- 802.11ac: -60 dBm (typical) @ 867Mbps
- 802.11ax (2.4GHz): -60 dBm (typical) @ 573Mbps
- 802.11ax (5GHz): -52 dBm (typical) @ 2402Mbps

Power
- IEEE 802.3at Type 2 PoE+ PD Class 4
- Input: 100 - 240V AC, 50/60Hz, Output: 12V DC, 1.5A external power adapter (not included)
- Max. consumption: 17.4W

Operating Temperature
- 0° – 40° C (32° – 104° F)

Operating Humidity
- Max. 90% non-condensing

Certifications
- CE
- FCC

Dimensions
- 160 x 160 x 30mm (6.3 x 6.3 x 1.18 in.)

Weight
- 380g (13.4 oz.)

Warranty:
- 3 year

Package Contents
- TEW-923DAP
- Quick Installation Guide
- Network cable (0.5m / 1.64 ft.)
- Mounting plates

*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. For maximum performance of up to 2402Mbps use with a 2402Mbps 802.11ax 5GHz wireless adapter. For maximum performance of up to 573Mbps use with a 573Mbps 802.11ax 2.4GHz wireless adapter. Multi-User MIMO (MU-MIMO) requires the use of multiple MU-MIMO enabled wireless adapters.

**Feature reserved for use when device is managed by TRENDnet Hive.

***Hive cloud management requires firmware 1.0.4.05 or above.

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.