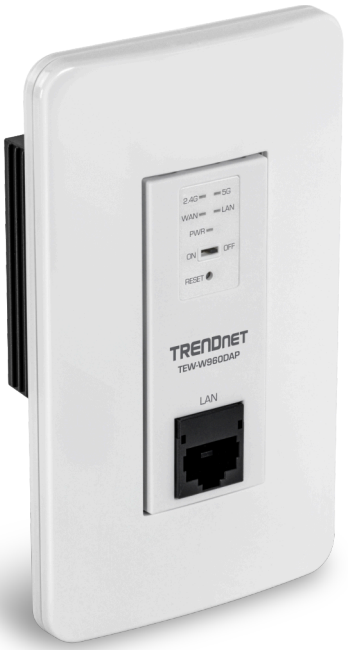


AX1800 Dual Band WiFi 6 PoE In-Wall Access Point

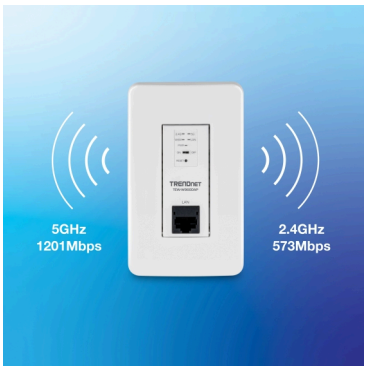
TEW-W960DAP (V1)

- High performance AX1800 PoE access point
- AX1800 Dual Band: 1201Mbps (5GHz) + 573Mbps (2.4GHz) bands
- Two concurrent WiFi bands maximize device networking speeds
- OFDMA and MU-MIMO technology boosts performance in a busy environment
- Supports up to WPA3 encryption
- 1 x Gigabit PoE LAN port, 1 x Gigabit LAN port
- Discreet design blends into most environments
- Includes wall plates for 1 gang installation
- Remote cloud management with TRENDnet Hive™ (Additional fee applies)
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's discreet AX1800 Dual Band WiFi 6 PoE In-Wall Access Point, model TEW-W960DAP, 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 1201Mbps on the 5GHz band and 573Mbps on the 2.4GHz band. The in-wall access point includes a gigabit pass-through port.

Faster speeds are possible on this in-wall WiFi AP 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 in-wall wireless access point features access control, bandwidth control, and band steering. The discreet housing design allows the device to be installed in a standard 1 gang box with included wall plates for easy installation.

Easily manage and configure TRENDnet's AX1800 Dual Band WiFi 6 PoE In-Wall 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.

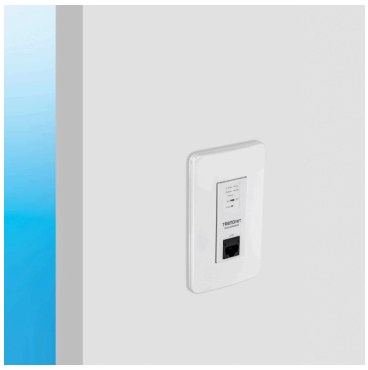


AX1800 WiFi 6

Two concurrent high-speed WiFi 6 bands to maximize device networking speeds: 1201Mbps on 5GHz and 573Mbps 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.



In-Wall Installation

Small design allows for installation in a standard 1 gang box for a flush AP-inwall installation.

FEATURES

Concurrent Dual Band
AX1800: concurrent 1201Mbps on 5GHz band + 573Mbps on 2.4GHz band

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

Encrypted Wireless
Support for wireless encryption of up to WPA3

LED Control
LED control reduces product visibility by disabling the LED indicator or turning off the LEDs with the on/off switch

Power over Ethernet (PoE)
Saves installation time and setup costs with gigabit PoE support

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 of the in-wall access point design blends into most environments

Hive Enabled (Optional)
Remotely monitor, manage, configure, and diagnose this in-wall access point via TRENDnet's cloud service (Additional fee applies)

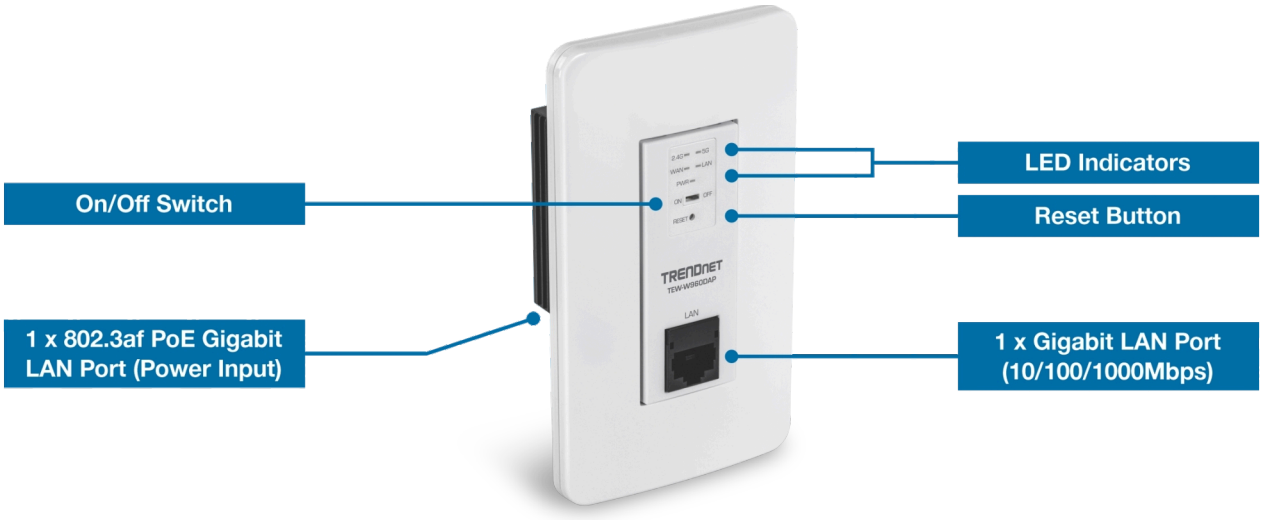
1 Gang Box
The in-wall access point is designed to be installed in a standard 1 gang box

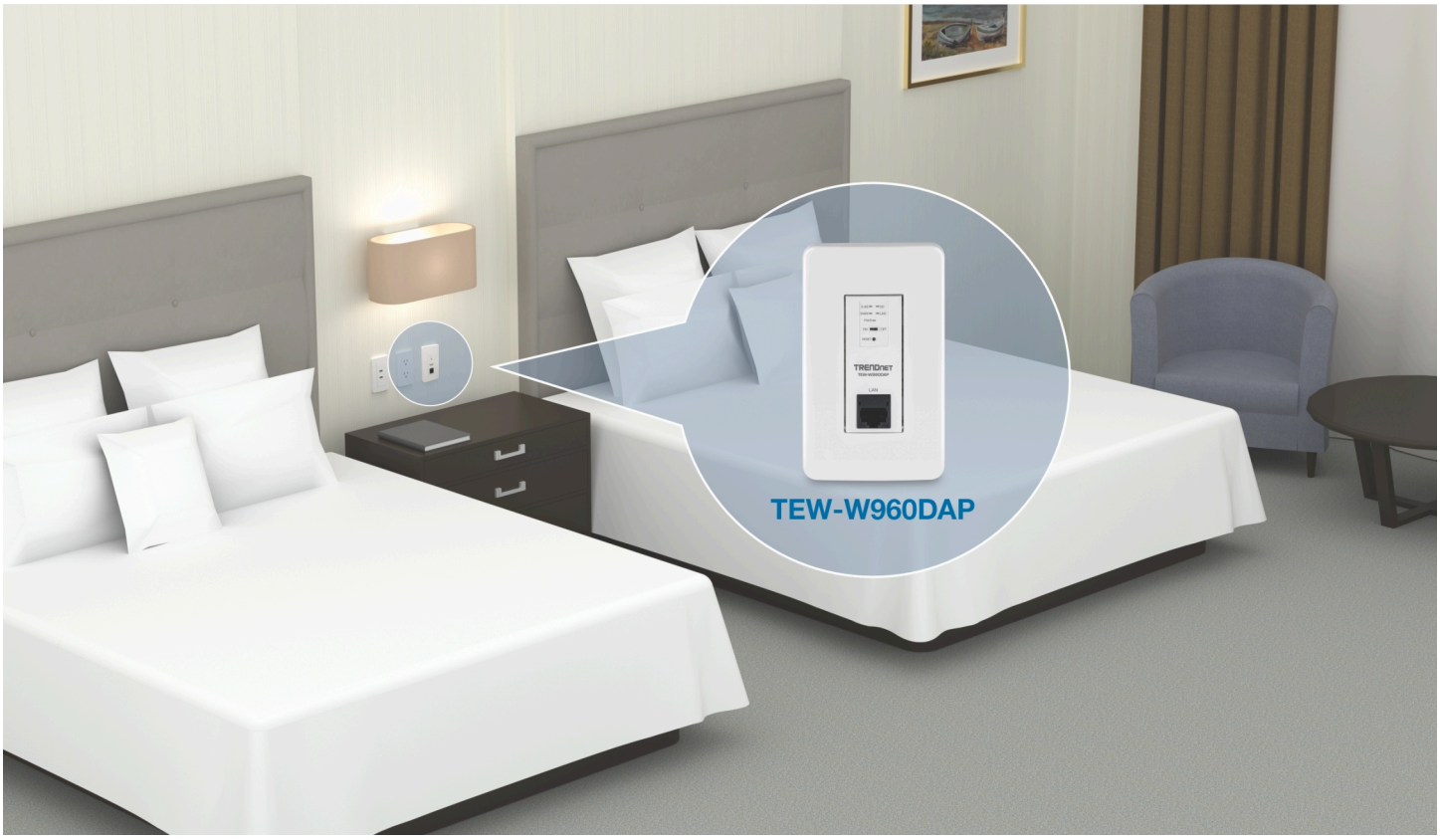
WiFi Traffic Shaping
Manage traffic allocation on the WiFi 6 in-wall access point per SSID for each band separately

Gigabit Ports
1 x Gigabit PoE port; 1 x Gigabit port

Wall Plates
Includes wall plates

NETWORKING SOLUTION





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 300Mbps)*
- IEEE 802.11r**
- IEEE 802.11v
- IEEE 802.11ac (up to 867Mbps)*
- IEEE 802.11ax (up to 1201Mbps on 5GHz, up to 573Mbps on 2.4GHz)*

Hardware Interface
- 1 x 802.3af PoE Gigabit LAN port (power input)
- 1 x Gigabit LAN port (10/100/1000Mbps)
- LED indicator
- LED on/off switch
- Reset button

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

Operation Modes
- Access Point

Management/Monitoring
- Web based management (HTTP/HTTPS)
- Command Line Interface (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

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, and LED control through cloud management

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
- 5GHz: FCC: 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 149, 153, 157, 161, and 165,

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

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

Wireless Output Power
- 802.11b/g/n/ac/ax (2.4GHz): FCC: 13 dBm (max.)
- 802.11a/n/ac/ax (5GHz): FCC: 13 dBm (max.)

Receiving Sensitivity
- 802.11a: -93 dBm (typical) @ 54Mbps
- 802.11b: -98 dBm (typical) @ 11Mbps
- 802.11g: -94 dBm (typical) @ 54Mbps
- 802.11n (2.4 GHz): -94 dBm (typical) @ 300Mbps
- 802.11n (5 GHz): -92 dBm (typical) @ 300Mbps
- 802.11ac: -93 dBm (typical) @ 867Mbps
- 802.11ax (2.4GHz): -94 dBm (typical) @ 573Mbps
- 802.11ax (5GHz): -93 dBm (typical) @ 1201Mbps

Power
- IEEE 802.3af Type 2 PoE PD Class 4
- Max. consumption: 8.54W

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

Operating Humidity
- Max. 90% non-condensing

Certifications
- FCC

Dimensions
- 68 x 40 x 42mm (2.68 x 1.57 x 1.65 in.) (Unit with plate)

Weight
- 118g (4.16 oz.) (Unit with plate)

Warranty:
- 3-year

Package Contents
- TEW-W960DAP
- Wall 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 1201Mbps use with a 1201Mbps 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.

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.

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