

VigorAP 906

Desk or Wall Mounted Wi-Fi 6 Wireless Access Point with 5x GbE ports

[Datasheet](#)



Compatible with the
**VigorACS Centralised
Management Platform**



Product Overview

The DrayTek VigorAP 906 is a high-performance Wi-Fi 6 AX3000 solution for your home or business network and is designed to handle high density environments, where many clients are expected to connect to your wireless network.

The VigorAP 906 access point is designed to enhance wireless signal coverage which can help eliminate Wi-Fi dead zones and improve the quality of the Wi-Fi connection. This high-performance AX3000 access point can offer datalink rates up to 2400 Mbps in 5GHz band and up to 574 Mbps in 2.4GHz band.

The VigorAP 906's compatibility with a variety of DrayTek AP management options helps reduce the cost of network deployments. Options include VigorACS, VigorConnect, Router-based AP Management, and AP-based AP Management. Standard standalone mode is also supported for flexible installations and 5 Gigabit Ethernet ports allows multiple wired devices to be connected as well.

Key Features & Benefits

WiFi-6 Access Point

Boost your wireless performance with the Wi-Fi 6 AP that is capable of up to 3000Mbps combined speeds. Make use of the improved network efficiency and less lag compared to Wi-Fi 5 APs. Perfect for high-demand applications including video conferencing, gaming, and exchanging large files.

Benefits: Higher wireless network capacity.

Strong WPA3 Connection Encryption

Use the strongest wireless security on board, including the latest WPA3-Personal or 802.1x Enterprise, to better protect your network. Mixed WPA3/WPA2 support helps networks transition to the new standards of video conferencing, gaming, and exchanging large files.

Benefits: Private and secure Wi-Fi network

5 Wired Ethernet Ports

Connect nearby wired devices such as printers, NAS storage, and computers for maximum speed. Use up to 5 Gigabit Ethernet interfaces without the need for an additional switch.

Benefits: Higher wireless network capacity.

Power Over Ethernet

The VigorAP 906 can be powered through its Ethernet cable with standard IEEE 802.3at PoE+, for a tidier and more convenient installation. Alternatively, power the VigorAP with an AC adapter.

Benefits: Easily install the VigorAP in locations without mains power.

High Density Performance

Built to withstand high density environments with its 802.11ax dual-band antennas. Connect up to 254 clients and take advantage of the Wi-Fi 6 2x2 Multi-User MIMO technology.

Benefits: Improved network efficiency in dense environments.

Easy to Configure and Manage

Choose one of many management options including our-of-box Web User Interface. Optionally configure and monitor through the DrayTek's management platforms - VigorACS cloud, VigorConnect, Router-based AP Management, or AP-based Management.

Benefits: Fast Updates. Flexible management

Key Specification

- High Performance Wi-Fi 6 Access Point with additional Ethernet LAN ports
- Desk or Wall mounted
- AX3000 – 11ax 'Wave 2' Dual Band Wireless
- 5 Gigabit LAN ports
- WPA3 Security – Stronger Security with WPA3 Personal & Enterprise
- Power through 802.3at PoE+ or supplied DC power adapter
- Multi-SSID over Mesh – Separate internal and Guest networks over Mesh*
- Centrally Managed or Standalone operation

Technical Specification (UK Hardware Spec.)

Physical Interfaces

- 5 x Gigabit Ethernet LAN Ports (Port A4 accepts PoE Power)
- WLAN On/Off & WPS Button
- Power On/Off Rocker Switch
- Factory Reset Button (recessed)
- DC Power Socket

Wireless Performance

- AX3000 Class Wireless Access Point
- Max Concurrent Clients: 254 total. 127 per band
- Max Wireless Networks (SSIDs): 8 total. 4 per band
- 2.4GHz: Up to 574Mb/s PHY Rate
- 5GHz: Up to 2402Mb/s PHY Rate

Wireless Antennas

- 2x External Dipole Dual-Band Antennas
- 2.4GHz Gain: 2.7dBi
- 5GHz Gain: 2.5dBi

Wireless LAN Compatibility

- 2.4GHz Standards: IEEE 802.11ax / b / g / n, 2x2 MIMO, up to 1024-QAM
- 5GHz Standards: IEEE 802.11ax / ac Wave 2 / a / n, 2x2 MU-MIMO, up to 1024-QAM

Wireless LAN Features

- WiFi 6
- Dual Band 802.11ax – 2.4 GHz & 5GHz
- Backwards compatible with 802.11ac, 802.11b, 802.11g, 802.11n
- 2.4GHz Channel Bandwidth: 20 / 40 MHz
- 5GHz Channel Bandwidth: 20 / 40 / 80 / 160 MHz
- 2.4GHz Channels: 1 to 13
- 5GHz Channels: Extended 5Ghz Band – Channels 36-48, 52-64, 100-140
- DFS/TPC Support for 5GHz channels 52 to 140
- OFDMA – New! – Higher Efficiency
- BSS Colouring – New! – Improves Interference Handling
- TX Beamforming
- 1024-QAM
- Multi-User MIMO

Security Features

- Wireless Encryption:
 - WPA2: Personal, Enterprise (802.1x)
 - WPA3: Personal, Enterprise, OWE
 - WPA/WEP for legacy applications
- Built in 802.1x server (PEAP / EAP-TLS)
- 802.1x RADIUS Proxy (PEAP / EAP-TLS)
- PMK Caching & Pre-authentication
- Wireless Client Isolation
- Controllable Isolation of 2.4GHz and 5GHz bands
- Hidden SSIDs (Selectable)

- WPS – Wi-Fi Protected Setup
- MAC Address Filtering (ACL) – Up to 256 entries
- Mobile Device Management
- EAPOL Key Retry – Protect unpatched WLAN clients from KRACK

Access Point Modes

- Access Point
- Mesh Root*
- Mesh Node*
- Range Extender

Wireless Control Features

- Wireless Client Status List in WUI
- Up to four distinct SSIDs (for VLANs) for each frequency band (2.4/5GHz)
- Client Limit: Per Radio & Per SSID
- MAC Cloning
- 802.1q VLAN
- Built-in DHCP Server & DHCP Relay
- Station Control – Time limit wireless connectivity per Station (e.g. 1 hour) & set allowed Reconnection time (e.g. 1 day)
- Device Object/Group Control – New! – Schedule access for individual devices or groups

Wireless Performance Optimisation

- Airtime Fairness
- Band Steering
- AP-Assisted Client Mobility
- WMM (Wireless MultiMedia)
- Bandwidth Management (Per Station / Per SSID)
- Fast Roaming 802.11r

Mesh Features*:

- Up to 8 APs per Mesh Group
- Up to 3 Mesh Hops per chain with optional Wired Uplinks
- Config Sync
- Self-Healing
- Can be configured & managed with the DrayTek Wireless App
- Mesh Syslog

Diagnostic Features:

- Dashboard: Traffic Graph & Client Usage
- System Log
- Speed Test
- Traffic Graph
- Wireless LAN Statistics
- Interference Monitor – Built-in Site Surveyor

Management:

- Web Interface (HTTP/HTTPS)
- DHCP Client
- TR-069 Control (For VigorACS or another TR-069 platform)
- CLI (Command Line Interface) - Telnet
- Firmware upgrade by TR-069/HTTP
- Central AP Management (from compatible DrayTek router/AP/controller)
- Central AP Management - New! - manage up to 30 VigorAPs
- SNMP v2, v2c, v3
- Management VLAN
- LED Control (enable/disable/schedule)
- Configuration File Export (with password) & Import
- Wireless Auto On/Off
- Schedule: Wi-Fi Up/Down, Auto-Reboot, LED On/Off

Power Requirements

- Maximum Power Consumption: 17.3 Watts
- DC 12V via external 100-240v AC/DC PSU (supplied)
- 802.3at PoE+ via LAN port. Requires PoE+ injector or a PoE+ switch such as the VigorSwitch P2100

Warranty Environmental & Physical:

- Operating Temperature: 0 ° C to 45 ° C
- Operating Humidity: 10% to 90% (non-condensing)
- Physical Dimensions: 194mm (H) x 155mm (W) x 50mm (D)
- Weight: 680g
- Fitting: Wall Mountable or Free Standing

Pack Contents

- VigorAP 906 wireless access point
- Wall Mount Bracket & Fittings Kit
- Quick Start Guide
- DC 12V PSU (compatible with DRAYPSU16)

Pack Contents ROHA, UKCA & CE Compliant

Warranty:

- Two (2) Years RTB
- Optional VigorCare Enhanced Warranty Available
 - o VigorCare A3 3 Year Subscription: VCARE-A3
 - o VigorCare A5 5 Year Subscription: VCARE-A5

* - visit [draytek.co.uk](https://www.draytek.co.uk) for mesh compatibility details

- 1 Antenna: 2x External Dipole
- 2 LED Indicator
- 3 WLAN/WPS Button
- 4 Power On/Off Switch
- 5 Power Input
- 6 LAN A: 4x GbE (1x PoE-PD)
- 7 LAN B: 1x GbE
- 8 Factory Reset button

