

VigorAP 905

High Performance WiFi 6 Access Point

DrayTek



Datasheet

Product Overview

The VigorAP 905 is a high-performance WiFi 6 Mesh Wireless Access Point. It offers up to 3Gbps dual-band wireless performance and up to 2.5Gb Ethernet connectivity. The additional Gigabit Ethernet ports can be used as a mini switch to connect computers or printers. The AP can be mounted on a wall or placed on a desk.

Key Features & Benefits

Fastest Wi-Fi 6 Access Point

Experience lightning-fast speeds with the DrayTek WiFi 6 access point, which offers a combined speed of up to 3000Mbps. This device is perfect for businesses that require efficient networks for demanding application.

Benefits: High-demand network capacity for efficient video conferencing, gaming, and large file transfers.

Easy to Configure and Manage

Effortlessly manage up to 8 compatible mesh VigorAPs as well as 20 APs using the easy-to-use Wireless Virtual Controller module. Enjoy auto-provisioning and AP monitoring, readily available upon initial use.

Benefits: Convenience of Zero Touch Deployment.

High Density Performance

Easily accommodate high-density environments by linking up to 256 clients with our 802.11ax dual-band antennas and Wi-Fi 6 2x2 Multi-User MIMO technology.

Benefits: Improved network efficiency in dense environments.

Strong WPA3 Connection Encryption

Robust wireless security with the latest WPA3-Personal or 802.1x Enterprise. Transition to the new standard with mixed WPA3/WPA2 support and different SSIDs can be set with varying security levels.

Benefits: Protected private and secure Wi-Fi network.

Flexible 2.5 Gigabit Ethernet Uplink & 4 x GbE Connectivity

The VigorAP 905 can be linked with the network through its 2.5Gb Ethernet interface. Its additional Gigabit Ethernet interfaces can provide wired connectivity for laptops or printers.

Benefits: Multiple and fast wired connectivity.

Wall/Desk Form Factor Design

Ideal wireless extender that offers functionality and versatile shape that complements both business and home interiors. The LED indicators can be scheduled or disabled to stop it lighting up a room.

Benefits: Fast setup. Clean and aesthetically pleasing look once installed.

Key Specification

- Wi-Fi 6 Mesh Wireless Access Point
- AX3000 – 11ax Dual Band Wireless
- WPA3 Security – Stronger Security with WPA3 Personal & Enterprise
- Multi-SSID over Mesh – Separate Internal and Guest Networks over Mesh*
- 2.5Gb Ethernet Uplink & Four Additional GbE interfaces
- Power through 802.3at PoE+ or supplied DC power adapter
- Centrally Managed or Standalone Operation
- Root AP for AP Management

VigorAP 905 Model

UK Product Code	EAN	Product Name	Product Description
VAP905-K	4710484747792	VigorAP 905 (UK/IE)	WiFi 6 AX3000 Mesh Wireless Access Point, 2.5GbE Uplink, 4 additional GbE for Wired Connectivity, Desk/Wall Form-factor

Technical Specification (UK Hardware Spec.)

Physical Interfaces/Controls

- 1 x 2.5 Gigabit Ethernet LAN Port (2.5G/1G/100M/10M), RJ45, PoE+, Blue
- 4 x Gigabit Ethernet LAN Port (1G/100M/10M), RJ45, Yellow
- 1 x USB 2.0
- WPS Button
- Factory Reset Button (recessed)
- Power Button
- DC Power Socket

Wireless Performance

- AX3000 Class Wireless Access Point
- Max Concurrent Clients: 256
- Max Wireless Networks (SSIDs): 16 total, 8 per band
- 5GHz: Up to 2400Mb/s PHY Rate with 2 Spatial Streams
- 2.4GHz: Up to 600Mb/s PHY Rate with 2 Spatial Streams

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, 149-165
- DFS/TPC Support for 5GHz channels 52 to 140
- OFDMA – Higher Efficiency
- BSS Colouring - Improves Interference Handling
- TX Beamforming
- 1024-QAM
- Multi-User MIMO

Wireless Antennas

- 2x External Dipole and 1 Internal PiFA 5G Antennas (5.7/4.3 dBi)
- 2x External Dipole 2.4G Antennas (1.8 dBi)

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

Security Features

- Wireless Encryption:
 - WPA2: Personal, Enterprise (802.1x)
 - WPA3: Personal, Enterprise, OWE
 - WPA/WEP for legacy applications
- 802.1x RADIUS Proxy (PEAP / EAP-TLS)
- PMK Caching & Pre-authentication
- Wireless Client Isolation
- Hidden SSIDs (Selectable)
- WPS - Wi-Fi Protected Setup
- MAC Address Filtering (ACL) - Up to 128 entries
- 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 eight distinct SSIDs (for VLANs) for each frequency band (2.4/5GHz)
- 802.1q VLAN
- Built-in DHCP Server & DHCP Relay

Wireless Performance Optimisation

- Airtime Fairness
- Band Steering
- WMM (Wireless MultiMedia)
- 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
- System Log
- 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, SSH
- Firmware upgrade by TR-069/HTTP
- Central AP Management (from compatible DrayTek router/AP/controller)
- Central AP Management – Manage up to 20 VigorAPs
- SNMP v2, v2c, v3
- Management VLAN
- 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 Watts
- DC 12V via external 100-240v AC/DC PSU (supplied)
- 802.3at PoE+ via LAN port. Requires PoE+ injector or a PoE+ switch

Environmental & Physical

- Operating Temperature: 0 ° C to 40 ° C
- Operating Humidity: 10% to 90% (non-condensing)
- Physical Dimensions: 115mm (width) x 40mm (depth) x 158mm (height)
- Weight: 330g (excluding accessories, PSU, cables)
- Fitting: Free Standing / Wall Mountable

Pack Contents

- VigorAP 905 wireless access point
- Ethernet Cable
- DC 12V PSU
- Quick Start Guide

ROHS, UKCA & CE Compliant Warranty

- Two (2) Years RTB
- Software security updates
- 3 years after the EOL notification. Please note that this only applies to products sold in the UK
- Optional VigorCare Enhanced Warranty Available
- VigorCare A3 3 Year Subscription: VCARE-A3
- VigorCare A5 5 Year Subscription: VCARE-A5

* - visit <https://www.draytek.co.uk/information/our-technology/mesh-wireless-compatibility-list> for mesh compatibility details