

VigorAP 960

DrayTek

Ceiling or Wall Mounted Wi-Fi 6 Mesh Wireless PoE Access Point

Premium. Reliable. Affordable.



[Datasheet](#)

Product Overview

The DrayTek VigorAP 960C is a Wi-Fi 6 access point with mesh facilities, offering up to 1.8Gbps dual-band total wireless capacity. Wi-Fi 6 brings significantly improved efficiency, not only through its higher speed but by better allocating bandwidth, allowing more client capacity – especially useful with the huge increase in Wi-Fi clients within homes and offices. Improvements in reliability add to better overall performance compared to all previous standards. DrayTek's Mesh with VLAN capability can significantly reduce the cost of network deployments, improves coverage and eliminates Wi-Fi dead zones for homes and businesses.

Key Features & Benefits

Wi-Fi 6 - Fast & Efficient

Improved efficiency, faster overall performance and less lag when compared with Wi-Fi 5 (11ac) wireless networks. Uplifts both 2.4GHz and 5GHz client speeds. Wi-Fi 6 is less susceptible to interference from neighbouring wireless networks.

Benefits: Significantly boosts real world performance for both 2.4 & 5GHz Wi-Fi 6 clients.

WPA3 Security

Supports the latest and strongest wireless security standards, with WPA3-Personal and Enterprise 802.1x options. Mixed WPA3/WPA2 support helps networks transition to the new standard.

Benefits: Stronger wireless security. Better protection against brute force attacks.

Mesh Wireless

For greater wireless coverage, DrayTek's Mesh system intelligently manages and links VigorAPs, with guest network and VLAN support. A Self-Optimising Mesh ensures your wirelessly linked Mesh nodes are always using the best path to the Mesh Root.

Benefits: Quick to set up and easy to manage. Implement complex wireless networks with VLANs.

Easy to Configure and Manage

The DrayTek Wireless app simplifies setting up your network. Optionally configure and monitor through one of DrayTek's management platforms - VigorACS cloud, VigorConnect, Router AP Management, or directly via the AP's Web Interface.

Benefits: Quick to install and change configuration.

Gigabit Power Over Ethernet

The VigorAP 960C can be powered through its Gigabit Ethernet interface with standard IEEE 802.3af PoE for a tidier and more convenient installation. Alternatively, power the VigorAP with an AC adapter.

Benefits: High Speed connections even in locations without mains power.

Ceiling or Wall Mounted

With a new matte finish, the VigorAP 960C blends well with home and office interiors. Suitable for ceiling and wall mounting. Clips into its ceiling plate for secure mounting and easier maintenance.

Benefits: Flexible and discrete installation, with option to disable status LED.

Compatible with VigorACS Centralised Management Platform



Key Specification

- Wi-Fi 6 Mesh Wireless Access Point and Range Extender
- Ceiling or Wall Mounted
- AX1800 - 11ax Dual Band Wireless
- WPA3 - Stronger Security with WPA3 Personal & Enterprise
- Self-Healing Wireless Mesh with VLAN Support
- Power through 802.3af PoE or DC Power Adapter
- Centrally Managed or Standalone Operation
- Advanced Access Control with Mobile Device Management and Station Control



Technical Specification (UK Hardware Spec.)

Physical Interfaces/Controls

- 1 x Gigabit Ethernet LAN Port, RJ45 (accepts PoE Power)
- Factory Reset Button (recessed)
- DC Power Socket
- 1 x Security Lock

Wireless Performance

- AX1800 Class Wireless Access Point
- Max Concurrent Clients: 256, 128 per band
- Max Wireless Networks (SSIDs): 8 total, 4 per band
- 2.4GHz: Up to 574Mb/s PHY Rate with 2 Spatial Streams (287Mb/s each)
- 5GHz: Up to 1201Mb/s PHY Rate with 2 Spatial Streams (600Mb/s each)

Wireless Antennas

- 2x Internal PiFA Dual-Band Antennas
- 2.4GHz Gain: 2.1dBi
- 5GHz Gain: 2.8dBi

Wireless LAN Compatibility

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

Wireless LAN Features

- Wi-Fi 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 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
- also supports 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
- Data Flow Monitor
- 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 other TR-069 platform)
- CLI (Command Line Interface) - Telnet
- Firmware upgrade by TR-069/HTTP
- Central AP Management (from compatible DrayTek router/controller)
- 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: 11 Watt
- DC 12V via external 100-240v AC/DC PSU
- 802.3af PoE via LAN port. Requires PoE injector or a PoE switch such as the VigorSwitch P2121

Environmental & Physical

- Operating Temperature: 0 ° C to 40 ° C
- Operating Humidity: 10% to 90% (Non-condensing)
- Physical Dimensions: 178mm (wide/diameter) x 35mm (high)
- Weight: 0.38kg
- Ceiling or Wall Mountable (requires rear cable entry)

Pack Contents

- VigorAP 960C wireless access point
- Ceiling Mount Bracket
- T-Rail Bracket & Screws
- Side slot cover for use with rear cable entry
- Quick Start Guide
- Ethernet Cable

ROHS & CE Compliant

Warranty: Two (2) Year Manufacturer's RTB

*Future release by firmware Upgrade

UK Product code	EAN	Product name	Product description
VAP960C-K	4710484741349	VigorAP 960C (UK/IE)	VigorAP 960C Wi-Fi 6 Mesh 11ax Ceiling AP with PoE