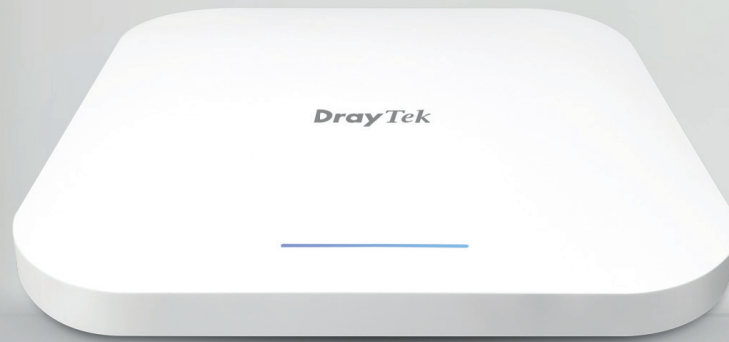


# VigorAP 1060C

**DrayTek**

Ceiling or Wall Mounted AX 3600 Mesh Wireless PoE Access Point

Premium. Reliable. Affordable.



Datasheet

## Product Overview

VigorAP 1060C is a high-performance ceiling mounted Mesh Wireless solution, offering up to 3.6Gbps Dual-Band wireless performance, and up to 2.5Gb Ethernet connectivity. Its third dedicated radio helps with auto channel selection, and Wireless Intrusion Detection Systems (WIDS).

## Key Features & Benefits

### Wi-Fi 6 - Fast & Efficient

A high performance WiFi 6 product with combined speeds up to 3600Mbps. The VigorAP 1060C raw power and WiFi 6's improvements in lag, efficiency and interference compared to WiFi 5 give speed benefits for both 2.4GHz and 5GHz connected WiFi 6 clients.

**Benefits:** Great WiFi 6 speeds and channels management.

### 2.5 Gigabit Power Over Ethernet

The VigorAP-1060C can be powered through its 2.5Gb Ethernet boosting performance interface with standard IEEE 802.3af PoE, for a tidier and more convenient installation.

**Benefits:** Faster connections even in locations without mains power.

### Mesh Wireless & Root AP Management

DrayTek's Mesh system intelligently manages and links wireless VigorAPs, with guest network and VLAN support. Root AP allows to add further Vigor APs with a total number of 50.

**Benefits:** Easy deployment and management of wireless access points.

### Third Radio for RF Analytics and Security

The AP-1060C third radio is dedicated to assist with rogue AP detection, auto channel and power management. It assists with Zero-Wait DFS feature reducing the time needed scan DFS channels.

**Benefits:** Quicker detection and channel updates.

### 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:** Plethora of management and configuration update options.

### Ceiling Mounting

The VigorAP 1060C with its matte finish blends well with most home and office interiors. Ceiling and wall mounting capable (mounting base included)

**Benefits:** Out of the box flexible installation.

Compatible with VigorACS Centralised Management Platform



## Key Specification

- WiFi 6 Mesh Ceiling-mount Mesh Wireless Access Point and Range Extender
- AX3600 – 11ax Dual Band Wireless
- Third Radio for RF Analytics and Security
- WPA3 – Stronger Security with WPA3 Personal & Enterprise
- Self-Healing Wireless Mesh with VLAN support
- Power through 802.3af PoE or DC power adapter
- 2.5Gb Ethernet Uplink
- Centrally Managed or Standalone operation
- Advanced Access Control with Mobile Device Management and Station Control
- Root AP for AP Management



## Technical Specification (UK Hardware Spec.)

### Physical Interfaces/Controls

- 1 x 2.5 Gigabit Ethernet LAN Port (2.5G/1G/100M/10M), RJ45 (accepts PoE Power)
- Factory Reset Button
- DC Power Socket
- 1 x Security Lock

### Wireless Performance

- AX3600 Class Wireless Access Point
- Max Concurrent Clients: 256, 128 per band
- Max Wireless Networks (SSIDs): 16 total, 8 per band
- 5GHz: Up to 2400Mb/s PHY Rate with 4 Spatial Streams
- 2.4GHz: Up to 1200Mb/s PHY Rate with 4 Spatial Streams

### Wireless Antennas

- 4x Internal PiFA 5G Antennas (5.1 dBi)
- 4x Internal PiFA 2.4G Antennas (5 dBi)
- 1x Dual-Band Internal Scanning Antenna (5.8 dBi for 5G, and 4.3 dBi for 2.4G)

### Wireless LAN Compatibility

- 2.4GHz Standards: IEEE 802.11ax / b / g / n, 4x4 MIMO
- 5GHz Standards: IEEE 802.11ax / ac Wave 2 / a / n, 4x4 MU-MIMO

### 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 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

- Dedicated Antenna for 24/7 DFS Scanning
- 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 - WiFi 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
- New! – Up to eight distinct SSIDs (for VLANs) for each frequency band (2.4/5GHz)
- Client Limit: Per Radio & Per SSID
- MAC Cloning
- 802.1q VLAN

## Technical Specification (UK Hardware Spec.)

- 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

### 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 - New! - Manage Up To 50 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: 21 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 P2100

### Environmental & Physical

- Operating Temperature: 0 ° C to 40 ° C
- Operating Humidity: 5% to 90% (Non-condensing)
- Physical Dimensions: 205mm (width) x 205mm (depth) x 33.2mm (height)
- Weight: 0.809kg
- Ceiling or Wall Mountable (requires rear cable entry)

### Pack Contents

- VigorAP 1060C wireless access point
- Ceiling Mount Bracket & Fittings Kit
- 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
VAP1060C-K	4710484741523	VigorAP 1060C (UK/IE)	VigorAP 1060C Wi-Fi 6 AX3600 Ceiling AP with 2.5Gb PoE Ethernet