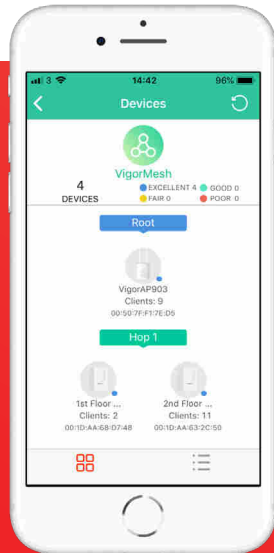


802.11ac Wave2 Dual-Band Ceiling-Mount Wireless AP



## VigorAP 912C

InVIGORate your Business Network with DrayTek Mesh AP

### Product Overview

VigorAP 912C is a high-performance ceiling mounted Mesh Wireless solution, designed to expand coverage, eliminate Wi-Fi dead zones and significantly reduce the cost of network deployments. It supports both standalone operation and operating as part of a DrayTek Mesh.

## Key Features & Benefits

### Mesh Wireless

DrayTek's Mesh system connects and intelligently manages a group of VigorAPs over wireless. The Self-Optimising Mesh ensures your wireless network nodes are always using the fastest path to the Mesh Root.

**Benefits:** Quick to set up and easy to manage. Reduces the need for cable installation.

### 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.

### Auto-Optimisation

Mesh Nodes identify the best next hop and connect with it automatically. In case of a Mesh Node failure, the surrounding nodes automatically re-connect and resume service without downtime.

**Benefits:** Eliminates Wireless dead zones. Zero downtime.

### Ceiling Mounting

The VigorAP 912C shape blends well with most home or office interior. Its adaptable deployment options include ceilings and wall mounting. Includes secure ceiling mounting plate and easy to install mounting clips for suspended ceilings.

**Benefits:** Flexible and discrete installation.

### Gigabit Power Over Ethernet

The VigorAP 912C can be powered through its Gigabit Ethernet interface with standard IEEE 802.3af PoE, for a tidier and more convenient installation.

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

### Wireless Optimisation

**802.11ac Wave 2:** Multi-User MIMO improves efficiency.

**Band Steering:** Allows 5GHz devices to achieve optimum speeds.

**Airtime Fairness:** Improves time management for wireless clients.

**AP Assisted Roaming:** Helps clients connect to the best AP.

Simple & fast setup with the Draytek Wireless App



Perfect for:



Smart Home



Offices & Office Buildings



Schools & Universities



Retail Shops & Department Stores



Bars, Restaurants & Clubs

# Key Specification

- Ceiling-mount Mesh Wireless Access Point and Range Extender
- AC1200 - 11ac 'Wave 2' Dual Band Wireless
- Power through 802.3af PoE or DC power adapter
- Multi-SSID over Mesh – **New!** Separate internal and Guest networks over Mesh
- 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

- AC1200 Class Wireless Access Point
- 5GHz: PHY Rate 866Mb/s
- 2.4GHz: PHY Rate 300Mb/s

### Wireless LAN Compatibility

- IEEE 802.11ac (Wave 1 & 2) / a / b / g / n
- Frequency Band 2.4 GHz & 5.8GHz - Simultaneous Operation
- Up to 128 clients per radio

### 2.4GHz Wireless LAN Features

- 802.11b, 802.11g, 802.11n
- 20 / 40 MHz
- Up to 300Mb/s total Wi-Fi throughput (PHY Rate):
  - 802.11b/g/n: 300Mb/s PHY rate (150Mb/s per Spatial Stream)

### 5Ghz Wireless LAN Features

- 802.11ac (Wave 1 & 2) / 802.11n / 802.11a
- 20 / 40 / 80 MHz
- Extended 5Ghz Band - Channels 36-48, 52-64, 100-140
- DFS/TPC Support
- Multi-User MIMO - New!
- Up to 866Mb/s total Wi-Fi throughput (PHY Rate):
  - 802.11a/n: 300Mb/s PHY rate (150Mb/s per Spatial Stream)
  - 802.11ac: 866Mb/s PHY rate (433Mb/s per Spatial Stream)

### Security Features

- Wireless Encryption : WPA2/WPA3\*
- - also supports WPA/WEP (Not recommended)
- Built in 802.1x server (PEAP / EAP-TLS)
- 802.1x RADIUS Proxy (PEAP / EAP-TLS)
- PMK Caching & Pre-authentication
- Wireless Client Isolation
- Control 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 - **New!** - Disable EAPOL Key Retry to protect unpatched WLAN clients from KRACK

### Wireless Control Features

- Wireless Client Status List in WUI
- Client Limit per radio
- Client Limit per SSID - New!
- Up to four distinct SSIDs (for VLANs) for each frequency band (2.4/5Ghz)
- MAC Cloning
- Built-in DHCP Server & DHCP Relay
- Trusted DHCP Server IP for WLAN - New! - Only specified DHCP server IP can assign IP addresses to WLAN clients
- 802.1q VLAN
- 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 Internet access for individual devices or groups

### Wireless Control Features

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

### Diagnostic Features

- System Log
- Speed Test
- Traffic Graph
- Wireless LAN Statistics
- Interference Monitor - Built-in Site Surveyor

### Diagnostic Features

- 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 - New! - Disable Wireless if VigorAP is unable to ping specified host

### Power Requirements

- Maximum Power Consumption: 10 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 45 ° C
- Operating Humidity: 10% to 90% (Non-condensing)
- Physical Dimensions: 162mm (wide/diameter) x 42mm (high)
- Weight: 0.3kg
- Ceiling or Wall Mountable (requires rear cable entry)
- Pack Contents: VigorAP 912C wireless access point, Ceiling Mount Bracket, T-Rail Bracket & Screws, Quick Start Guide, Ethernet Cable

### ROHS & CE Compliant

**Warranty: Two (2) Year Manufacturer's RTB**

\*Future release by firmware Upgrade

