



## VigorAP 1000C

InVIGORate your  
Business Network with  
DrayTek Mesh AP

Tri-Band 802.11ac  
Ceiling-Mount AP

### Product Overview

VigorAP 1000C is a Tri-Band AC2200 Ceiling-mountable Mesh Wireless solution, designed to expand coverage, eliminate Wi-Fi dead zones and significantly reduce the cost of network deployments. With an additional 5GHz radio, the VigorAP 1000C has a doubled capacity to provide current and future broadband connectivity capabilities to a higher density of clients.

### 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.

#### Tri-Band Access Point

The VigorAP 1000C provides one 2.4GHz and two 5GHz radios. Designate one 5GHz radio as a dedicated Mesh backhaul for improved Mesh network performance. Alternatively, use all 3 radios for wireless access to connect up to 384 clients per AP.

**Benefits:** One AP can support more clients and footfall. Improved Mesh performance.

#### Ceiling Mounting

The VigorAP 1000C blends well with most home or office interior. Its adaptable deployment options include ceilings and wall mounting. The VigorAP clips into its ceiling plate for secure mounting and easier maintenance.

**Benefits:** Flexible and discrete installation.

#### Gigabit Power Over Ethernet

The VigorAP 1000C can be powered through its Gigabit Ethernet interface with standard IEEE 802.3at PoE+ for a tidier and more convenient installation. Connect extra devices to the AP's 2nd LAN port.

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

#### Wireless Optimisation

**Dedicated Backhaul for Mesh:** Improves Mesh performance.

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

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

**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 high capacity Mesh Wireless Access Point
- Secondary 5GHz radio – **New!** Dedicated Mesh backhaul, or higher client density
- AC2200 – 11ac 'Wave 2' Tri Band Wireless
- Multi-SSID over Mesh – **New!** Separate internal and Guest networks over Mesh
- Power through 802.3at PoE+ or DC power adapter
- 2nd Gigabit Ethernet port
- Centrally Managed or Standalone operation

## Technical Specification (UK Hardware Spec.)

### Physical Interfaces/Controls

- 2 x Gigabit Ethernet LAN Ports, RJ45 (Port 1 accepts PoE Power)
- Factory Reset Button (recessed)
- DC Power Socket
- 1 x Security Lock
- Built-In Temperature & Humidity Sensor
- USB 2.0 Port

### Wireless Performance

- AC2200 Class Wireless Access Point
- 2.4GHz: PHY Rate 400Mb/s
- 5GHz (1): PHY Rate 866Mb/s
- 5GHz (2): PHY Rate 866Mb/s, optional dedicated backhaul for Mesh

### Operating Modes

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

### Wireless LAN Compatibility

- IEEE 802.11ac (Wave 1 & 2)/a/b/g/n
- Frequency Band 2.4 GHz & 5.8GHz – Simultaneous Operation
- Up to 12 SSIDs per AP (4 per radio)
- Up to 128 clients per radio
- 384 clients in total per AP

### 2.4GHz Wireless LAN Features

- 802.11b, 802.11g, 802.11n
- 20 / 40 MHz
- Up to 400Mb/s total Wi-Fi throughput (PHY Rate):
  - 802.11b/g/n: 300Mb/s PHY rate (150Mb/s per Spatial Stream)
  - 256-QAM: 400Mb/s (200Mb/s per Spatial Stream)

### 5Ghz Wireless LAN Features

- 802.11ac (Wave 1 & 2) / 802.11n / 802.11a
- 20 / 40 / 80 MHz
- DFS/TPC Support
- Multi-User MIMO – **New!**
- Extended 5Ghz Band – Channels:
  - 5GHz Radio 1: 36-48, 52-64
  - 5GHz Radio 2: 100-140
- Up to 866Mb/s Wi-Fi throughput per 5GHz radio, 1733Mb/s total (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\*
  - Pre-Shared Key authentication
  - Enterprise 802.1x authentication
  - Also supports WPA/WEP (Not recommended)
- MAC Address Filtering (ACL) – Up to 256 entries
- 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
- Mobile Device Management
- EAPOL Key Retry – Disable EAPOL Key Retry to protect unpatched WLAN clients from KRACK

### Wireless Control Features

- 802.1q VLAN
- Up to four distinct SSIDs (for VLANs) for each radio (2.4/5Ghz)
- Multi-SSID over Mesh – **New!** Separate internal and Guest networks over Mesh\*
- Wireless Client Status List in WUI
- Client Limit per radio
- Client Limit per SSID – **New!**
- 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

- 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 Auto On/Off – **New!** – Disable Wireless if VigorAP is unable to ping specified host

### Wireless Performance Optimisation

- 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
- Integrated Temperature & Humidity Sensor

### Management

- Web Interface (HTTP/HTTPS)
- DHCP Client
- TR-069 Control (For VigorACS or other TR-069 platform)
- CLI (Command Line Interface) – Telnet
- Access Control List for management interfaces
- 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

### Power Requirements

- Maximum Power Consumption: 19.2 Watt
- DC 12V via external 100-240V AC/DC PSU
- PoE Standards: 802.3at PoE+
- PoE adapter not supplied, requires PoE injector or a PoE switch such as the VigorSwitch P1092

### Environmental & Physical

- Operating Temperature: 0 ° C to 45 ° C
- Operating Humidity: 10% to 90% (Non-condensing)
- Physical Dimensions: 176mm (width) x 176mm (depth) x 30mm (height)
- Weight: 0.5kg
- Ceiling or Wall Mountable

### Pack Contents:

- VigorAP 1000C 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



Band 1 - 2.4GHz Speed up to 400 Mbps	Band 2 - 5GHz Speed up to 867 Mbps	Band 3 - 5GHz Speed up to 867 Mbps
Web Browsing	Video Conference	Video Streaming
Email	File Transfer	Online Gaming