

VigorAP 1062C

Ceiling or Wall Mounted AX 6000
Mesh Wireless PoE Access Point

DrayTek



Datasheet

Product Overview

The VigorAP 1062C is a high-performance ceiling or wall-mounted Mesh Wireless Access Point. It offers up to 6Gbps dual-band wireless performance and up to 2.5Gb Ethernet connectivity.

Key Features & Benefits

Fastest Wi-Fi Access Point

Experience lightning-fast speeds with the DrayTek AX access point, which offers a combined speed of up to 6000Mbps. This device is perfect for businesses that require efficient networks for demanding applications such as video conferencing, gaming, and large file transfers.

Benefits: High-demand network capacity.

Strong WPA3 Connection Encryption

Protect your network with robust wireless security using the latest WPA3-Personal or 802.1x Enterprise. Networks can transition to the new standard with mixed WPA3/WPA2 support and different SSIDs can be set with varying security levels.

Benefits: Private and secure Wi-Fi network.

Master AP Management

With VigorAP 1062C, you can effortlessly manage up to eight compatible mesh VigorAPs and as many as 50 access points through the easy-to-use AP-based Central AP Management module. Enjoy the convenience of auto-provisioning and AP monitoring, both readily available upon initial use.

Benefits: Zero Touch Deployment.

Gigabit Power Over Ethernet

The VigorAP 1062C can be powered through its 2.5Gb Ethernet interface using standard IEEE 802.3at PoE+ for a convenient and neat installation.

Benefits: Easily install the VigorAP in locations without mains power.

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 4x4 Multi-User MIMO technology.

Benefits: Improved network efficiency in dense environments.

Ceiling Mounting

The AP-1062C is a versatile shape that complements both business and home interiors. It can be installed on ceilings or walls and comes with a secure ceiling mounting plate and easy-to-install clips for suspended ceilings.

Benefits: Flexible and discrete installation.

VigorAP 1062C Models

UK Product Code	EAN	Product Name	Product Description
VAP1062C-K	4710484745965	VigorAP 1062C	VigorAP 1062C Wi-Fi 6 AX6000 Ceiling AP with 2.5Gb PoE Ethernet

Key Specification

- WiFi 6 Mesh Ceiling-mount Mesh Wireless Access Point and Range Extender
- AX6000 – 11ax Dual Band Wireless
- WPA3 Security – Stronger Security with WPA3 Personal & Enterprise
- Power through 802.3at PoE+ or DC power adapter
- Multi-SSID over Mesh – Separate internal and Guest networks over Mesh*
- 2.5Gb Ethernet Uplink
- Centrally Managed or Standalone operation
- Root AP for AP Management

Technical Specification (UK Hardware Spec.)

Physical Interfaces

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

Wireless Performance

- AX6000 Class Wireless Access Point
- Max Concurrent Clients: 256, 128 per band
- Max Wireless Networks (SSIDs): 16 total, 8 per band
- 5GHz: Up to 4800Mb/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 (4.9 dBi)
- 4x Internal PiFA 2.4G Antennas (4.2 dBi)

Wireless LAN Compatibility

- 2.4GHz Standards: IEEE 802.11ax / b / g / n, 4x4 MIMO, up to 1024-QAM
- 5GHz Standards: IEEE 802.11ax / ac Wave 2 / a / n, 4x4 MU-MIMO, up to 1024-QAM

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
- DFS/TPC Support for 5GHz channels 52 to 140
- OFDMA – Higher Efficiency
- BSS Colouring - 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
- Hidden SSIDs (Selectable)
- WPS - Wi-Fi Protected Setup
- MAC Address Filtering (ACL) - Up to 256 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 & Client Usage
- 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
- Firmware upgrade by TR-069/HTTP
- Central AP Management (from compatible DrayTek router/AP/controller)
- Central AP Management – 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

Power Requirements

- Maximum Power Consumption: 23 Watts
- DC 12V via external 100-240v AC/DC PSU (not supplied)
- 802.3at 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: 10% to 90% (non-condensing)
- Physical Dimensions: 208mm (width) x 208mm (depth) x 32.1mm (height)
- Weight: 813g
- Fitting: Ceiling or Wall Mountable (requires rear cable entry)

Pack Contents

- VigorAP 1062C wireless access point
- Ceiling Mount Bracket & Fittings Kit
- Quick Start Guide

ROHS, UKCA & CE Complaint

Warranty

- Two (2) Years RTB
- 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