DrayTek

VigorAP 962C

High Performance Enterprise Wireless

Product Overview

Ceiling or Wall Mounted AX 3000 Mesh Wireless PoE Access Point

The VigorAP 962C is a high-performance wireless access point designed for business and SOHO environments. This ceiling or wall-mounted mesh access point delivers dual-band wireless performance of up to 3Gbps (AX 3000), providing fast and reliable Wi-Fi connectivity for your network.

Equipped with 2.5Gb Ethernet wired connectivity, the VigorAP 962C ensures seamless integration with your existing network infrastructure. This allows for high-speed data transfer and optimal performance for all your connected devices.

Ideal for small to medium-sized businesses and home offices, the VigorAP 962C is easy to install and manage, making it a cost-effective solution for improving your wireless network. With its advanced features and high-speed performance, this access point provides a secure and reliable Wi-Fi connection for your business needs.

Key Features & Benefits

Powerful Wi-Fi 6 Access Point

The DrayTek wireless AP offers AX3000 Wi-Fi 6 technology, ideal for businesses requiring high-performance networks for demanding applications like video conferencing, gaming, and large file transfers.

Benefits: High performance and increased productivity.

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 962C, you can effortlessly manage up to eight compatible mesh* VigorAPs and as many as 20 access points through the easy-to-use Wireless Virtual Controller module. Enjoy the convenience of auto-provisioning and AP monitoring, both readily available upon initial use.

Benefits: Zero Touch Deployment.

2.5 Gigabit Power Over Ethernet

The VigorAP 962C can be powered through its 2.5Gb Ethernet interface using standard IEEE 802.3at PoE+ for a convenient and neat installation.

Benefits: Simplified installation, reduced cable clutter, consistent power to device.

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 2x2 MIMO technology.

Benefits: Improved network efficiency in dense environments.

Ceiling Mounting

The AP-962C has 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.

Key Specification

- Wi-Fi 6 Mesh Ceiling-mount Mesh Wireless Access Point and Range Extender
- AX3000 – 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

VigorAP 962C Access Point Models

UK Product Code	EAN	Product Name	Product Description
VAP962C-K	4710484746993	VigorAP 962C (UK/IE)	VigorAP 962C Wi-Fi 6 AX3000 Ceiling AP with 2.5Gb PoE Ethernet

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
- AX3000 Class Wireless Access Point
- Max Concurrent Clients: 256
- Max Wireless Networks (SSIDs): 16 total, 8 per band
- 5GHz: Up to 2402Mb/s PHY Rate
- 2.4GHz: Up to 574Mb/s PHY Rate

Wireless Antennas
- 3x Internal PiFA 5G Antennas (4.9 dBi)
- 2x Internal PiFA 2.4G Antennas (4.2 dBi)

Wireless LAN Compatibility
- 2.4GHz Standards: IEEE 802.11ax / b / g / n, 2x2 MIMO, up to 1024-QAM
- 5GHz Standards: IEEE 802.11ax / ac Wave 2 / a / n, 2x2 MIMO, up to 1024-QAM

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 / 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

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

Security Features
- Wireless Encryption:
  - WPA2: Personal, Enterprise (802.1x)
  - WPA3: Personal, Enterprise, OWE
  - WPA/WEP for legacy applications
- 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 128 entries
- EAPOL Key Retry - Protect unpatched WLAN clients from KRACK

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
- Mesh Syslog

Diagnostic Features
- Dashboard: Traffic Graph & Client Usage
- System Log
- 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, SSH
- Firmware upgrade by TR-069/HTTP
- Central AP Management (from compatible DrayTek router/AP/controller)
- Central AP Management – manage up to 20 VigorAPs
- SNMP v2, v2c, v3
- Management VLAN
- Configuration File Export (with password) & Import
- Wireless Auto On/Off

Power Requirements
- Maximum Power Consumption: 12 Watts
- DC 12V 1.5A 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: 190mm (width) x 190mm (depth) x 30mm (height)
- Weight: 520g
- Fitting: Ceiling or Wall Mountable (requires rear cable entry)

Pack Contents
- VigorAP 962C wireless access point
- Ceiling Mount Bracket & Fittings Kit
- Quick Start Guide

ROHS, UKCA & CE Compliant
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