

## Draytek VigorAP 802 Mesh Wireless Access Point (VAP802-K)



Product Name: Draytek VigorAP 802 Mesh Wireless Access Point (VAP802-K)

Manufacturer: -

Model Number: VAP802-K

Please Note: This product has been discontinued. For an alternative, please see the other Draytek Access Points.

### Draytek VigorAP 802 Mesh Wireless Access Point (VAP802-K)

The Draytek VAP802-K is a feature-rich and easy to use AC1200 Mesh Wireless Access Point with a single Gigabit LAN Port, designed to boost signal & speed, ensure perfect coverage and create a smooth wireless experience.

#### Draytek VAP802-K Key Features

- **1/2 Mesh** - Mesh acts as a mesh node to connect to other access points and a compatible DrayTek mesh root. Eliminates ethernet cabling.
- **1/2 Sleek Design** - Simply plug the VigorAP 802 in to a UK wall plug power socket to expand wireless coverage. No need for additional power adapters or cables.
- **1/2 Gigabit LAN Port** - Transfer from Wireless to Wired Ethernet devices without bottlenecks, using the Gigabit LAN port underneath. In the Access Point mode, use the Ethernet port for a fast uplink to the router and the Internet.
- **1/2 Easy to Configure and Manage** - Use the DrayTek Wireless app to automatically configure a new VigorAP 802 wireless access point into the network. Compatible with all DrayTek's management platforms - VigorACS cloud, VigorConnect, Router AP Management, or directly via the AP's Web Interface.
- **1/2 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.
- **1/2 Wireless Optimisation** - Band Steering: Ensures 5GHz capable devices can achieve optimum speeds. Airtime Fairness: Improves time management between wireless clients. AP Assisted Roaming: Makes sure that devices are always connected to the best AP.

#### Draytek VAP802-K Technical Specifications

##### Operating Modes

- 1/2 Mesh Node
- 1/2 Range Extender
- 1/2 Access Point

##### Physical Interfaces/Controls

- 1/2 Gigabit Ethernet LAN Port (10/100/1000Mb/s)
- 1/2 LED On/Off and Reset Button

##### Wireless Performance

- 1/2 AC1200 Class Wireless Access Point
- 1/2 5GHz: PHY Rate 866Mb/s
- 1/2 2.4GHz: PHY Rate 300Mb/s

##### Wireless LAN Compatibility

- 1/2 IEEE 802.11ac / a / b / g / n
- 1/2 Frequency Band 2.4 GHz & 5.8Ghz - Simultaneous Operation

## Draytek VigorAP 802 Mesh Wireless Access Point (VAP802-K)

• Up to 32 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 / 802.11n / 802.11a

• 20 / 40 / 80 MHz

• Extended 5Ghz Band - Channels 36-48, 52-64, 100-140

• DFS/TPC Support

• 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 (802.11i) Encryption and it 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! - Protect unpatched WLAN clients from KRACK

### Wireless Control Features

• Wireless Client Status List in WUI

• Client Limit per radio

• Client Limit per SSID

• Up to 2 distinct SSIDs (for VLANs) for each frequency band (2.4/5Ghz)

• MAC Cloning

• 802.1q VLAN

• VLAN over Mesh - New! - Create 2 separate networks over Mesh

• Station Control - Time limit wireless connectivity per Station (e.g. 1 hour) & set allowed Reconnection time (e.g. 1 day)

### Wireless Performance Optimisation

• Airtime Fairness

• Band Steering

• AP-Assisted Client Mobility

• WMM (Wireless MultiMedia)

• Bandwidth Management (Per Station / Per SSID)

• IGMP Snooping

### Management Interfaces

## Draytek VigorAP 802 Mesh Wireless Access Point (VAP802-K)

- Web Interface (HTTP/HTTPS)
- Central AP Management (from compatible DrayTek router/controller)
- DrayTek Wireless app
- VigorACS and VigorConnect (TR-069)
- CLI (Command Line Interface) & Telnet

### Management Features

- DHCP Client
- Firmware upgrade by TR-069/HTTP
- SNMP v2, v2c, v3
- Management VLAN
- LED Control (enable/disable/schedule)
- Configuration File Export (with password) & Import

### Diagnostic Features

- System Log
- Speed Test
- Traffic Graph - AP Traffic & Per Station
- Data Flow Monitor - View live traffic usage per WLAN client
- Wireless LAN Statistics
- Interference Monitor - Built-in Site Surveyor

### Power Requirements

- Maximum Power Consumption: 7.5 Watt
- UK Plug Fitting (BS1363)
- 100-240v AC Power Input
- Integrated DC PSU

### Environmental & Physical

- Operating Temperature : 0 °C to 40 °C
- Storage Temperature : -20 °C to 60 °C
- Operating Humidity: 10% to 90% (Non-condensing)
- Physical Dimensions: 59mm (W) x 91mm (H) x 40mm (D)
- (power plug not included)
- Weight : 130g
- Fitting: Wall Mounted via electrical socket
- Pack Contents: VigorAP 802 access point, Quick Start Guide
- Warranty: Two (2) Years RTB

**Please Enquire**