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

ï¿½ Mesh - Mesh acts as a mesh node to connect to other access points and a compatible DrayTek mesh root. Eliminates ethernet cabling.

ï¿½ 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.

ï¿½ 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.

ï¿½ 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.

ï¿½ 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.

ï¿½ 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

ï¿½ Mesh Node

ï¿½ Range Extender

ï¿½ Access Point

Physical Interfaces/Controls

ï¿½ Gigabit Ethernet LAN Port (10/100/1000Mb/s)

ï¿½ LED On/Off and Reset Button

Wireless Performance

ï¿½ AC1200 Class Wireless Access Point

ï¿½ 5GHz: PHY Rate 866Mb/s

ï¿½ 2.4GHz: PHY Rate 300Mb/s

Wireless LAN Compatibility

ï¿½ IEEE 802.11ac / a / b / g / n

ï¿½ Frequency Band 2.4 GHz & 5.8Ghz - Simultaneous Operation

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ï¿½ Up to 32 clients per radio

2.4GHz Wireless LAN Features

ï¿½ 802.11b, 802.11g, 802.11n
ï¿½ 20 / 40 MHz
ï¿½ 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

ï¿½ 802.11ac / 802.11n / 802.11a
ï¿½ 20 / 40 / 80 MHz
ï¿½ Extended 5Ghz Band - Channels 36-48, 52-64, 100-140
ï¿½ DFS/TPC Support
ï¿½ 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

ï¿½ Wireless Encryption : WPA2 (802.11i) Encryption and it also supports WPA/WEP (Not recommended)
ï¿½ Built in 802.1x server (PEAP / EAP-TLS)
ï¿½ 802.1x RADIUS Proxy (PEAP / EAP-TLS)
ï¿½ PMK Caching & Pre-authentication
ï¿½ Wireless Client Isolation
ï¿½ Control Isolation of 2.4GHz and 5GHz bands
ï¿½ Hidden SSIDs (Selectable)
ï¿½ WPS - WiFi Protected Setup
ï¿½ MAC Address Filtering (ACL) - Up to 256 entries
ï¿½ Mobile Device Management
ï¿½ EAPOL Key Retry - New! - Protect unpatched WLAN clients from KRACK

Wireless Control Features

ï¿½ Wireless Client Status List in WUI
ï¿½ Client Limit per radio
ï¿½ Client Limit per SSID
ï¿½ Up to 2 distinct SSIDs (for VLANs) for each frequency band (2.4/5Ghz)
ï¿½ MAC Cloning
ï¿½ 802.1q VLAN
ï¿½ VLAN over Mesh - New! – Create 2 separate networks over Mesh
ï¿½ Station Control - Time limit wireless connectivity per Station (e.g. 1 hour) & set allowed Reconnection time (e.g. 1 day)

Wireless Performance Optimisation

ï¿½ Airtime Fairness
ï¿½ Band Steering
ï¿½ AP-Assisted Client Mobility
ï¿½ WMM (Wireless MultiMedia)
ï¿½ Bandwidth Management (Per Station / Per SSID)
ï¿½ IGMP Snooping

Management Interfaces

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ï¿½ Web Interface (HTTP/HTTPS)
ï¿½ Central AP Management (from compatible DrayTek router/controller)
ï¿½ DrayTek Wireless app
ï¿½ VigorACS and VigorConnect (TR-069)
ï¿½ CLI (Command Line Interface) – Telnet

Management Features

ï¿½ DHCP Client
ï¿½ Firmware upgrade by TR-069/HTTP
ï¿½ SNMP v2, v2c, v3
ï¿½ Management VLAN
ï¿½ LED Control (enable/disable/schedule)
ï¿½ Configuration File Export (with password) & Import

Diagnostic Features

ï¿½ System Log
ï¿½ Speed Test
ï¿½ Traffic Graph - AP Traffic & Per Station
ï¿½ Data Flow Monitor - View live traffic usage per WLAN client
ï¿½ Wireless LAN Statistics
ï¿½ Interference Monitor - Built-in Site Surveyor

Power Requirements

ï¿½ Maximum Power Consumption: 7.5 Watt
ï¿½ UK Plug Fitting (BS1363)
ï¿½ 100-240v AC Power Input
ï¿½ Integrated DC PSU

Environmental & Physical

ï¿½ Operating Temperature : 0 ° C to 40 ° C
ï¿½ Storage Temperature : -20 ° C to 60 ° C
ï¿½ Operating Humidity: 10% to 90% (Non-condensing)
ï¿½ Physical Dimensions: 59mm (W) x 91mm (H) x 40mm (D)
ï¿½ (power plug not included)
ï¿½ Weight : 130g
ï¿½ Fitting: Wall Mounted via electrical socket
ï¿½ Pack Contents: VigorAP 802 access point, Quick Start Guide
ï¿½ Warranty: Two (2) Years RTB

Please Enquire