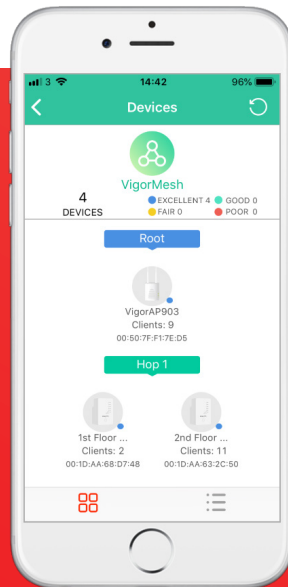**DrayTek**

Feature-rich, powerful and compact Mesh access point

VigorAP 802

InVIGORate your Business Network with DrayTek Mesh AP

Product Overview

VigorAP 802 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.

Key Features & Benefits

Mesh

VigorAP 802 Mesh acts as a mesh node to connect to other access points and a compatible DrayTek mesh root (eg VigorAP 903). Eliminates ethernet cabling.

Benefits: Truly wireless Wi-Fi. Reduces significantly the cost of the network deployment.

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.

Benefits: Quick to install or change configuration.

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.

Benefits: Compact and easy to install.

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.

Benefits: Eliminates wireless dead zones. Zero downtime.

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.

Benefits: Connect wired ethernet devices via wireless at high speed, avoiding long cable runs.

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.

Benefits: Improve wireless network efficiency.

Simple & fast setup with the Draytek Wireless App

Available on the App Store　　**GET IT ON Google Play**

Perfect for:

Smart Home　　Offices & Office Buildings　　Schools & Universities　　Retail Shops & Department Stores　　Bars, Restaurants & Clubs

DrayTek VigorAP 802

Operating Modes:
- Mesh Node
- Range Extender
- Access Point

Physical Interfaces/Controls:
- Gigabit Ethernet LAN Port (10/100/1000Mb/s)
- LED On/Off and Reset Button

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

Wireless LAN Compatibility:
- IEEE 802.11ac / a / b / g / n
- Frequency Band 2.4 GHz & 5.8Ghz - Simultaneous Operation
- 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:
- 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