

Business class MESH  
Access Point

Dual-band 802.11ac  
Wave 2



## VigorAP 903

InVIGORate your  
Business Network with  
DrayTek Mesh AP

### Product Overview

VigorAP 903 is a high-performance Mesh Wireless solution, designed to expand the wireless coverage, eliminate Wi-Fi dead zones and significantly reduce the cost of network deployments.

## Key Features & Benefits

### Mesh

Access points connect to each other wireless. Eliminates ethernet cabling.

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

### Plug-n-Play

Automatically configure new wireless access points into the network.

**Benefits:** Saves time. Expands wireless coverage.

### Self-Healing

In case of a mesh node failure, the surrounding nodes automatically re-connect and resume service without downtime.

**Benefits:** High Availability. Zero downtime.

### Self-Optimisation

Nodes identify the best next hop and connect with it automatically.

**Benefits:** Eliminates Wi-Fi dead zones.

### Wireless Optimisation

**Band steering:** steers wireless clients to the faster 5Ghz band.

**Airtime Fairness:** improves time management between wireless clients.

**AP Assisted Roaming:** makes sure the devices are always connecting to the best AP.

### 802.11ac Wave 2

High performance AC1300 class access point. Improved efficiency and transfer speeds with Multi-User MIMO.

**Benefits:** It handles high volumes of traffic.

Simple & fast setup with the Draytek Wireless App



## Perfect for:



Smart Home



Offices & Office  
Buildings



Schools &  
Universities



Retail Shops &  
Department Stores



Bars, Restaurants  
& Clubs

# DrayTek VigorAP 903

## Physical Interfaces/Controls:

- 5 x Gigabit Ethernet LAN Ports
- USB 2.0 Port
- WLAN On/Off & WPS Button
- Factory Reset Button
- 2 x Dual-Band Omni-directional RP-SMA Antennae

## Wireless Performance:

- AC1300 Class Wireless Access Point
- 5GHz: 866Mb/s
- 2.4GHz: 400Mb/s

## Wireless LAN Compatibility:

- IEEE 802.11ac (Wave 1 & 2) / a / b / g / n
- Frequency Band 2.4GHz & 5.8GHz - Simultaneous Operation
- Up to 64 clients per radio

## 2.4GHz Wireless LAN Features:

- 802.11b, 802.11g, 802.11n
- 20 / 40 MHz
- Up to 400Mb/s total Wi-Fi throughput:
- 802.11b/g/n: 300Mb/s (150Mb/s per Spatial Stream)
- 256-QAM: 400Mb/s (200Mb/s per Spatial Stream)

## 5GHz Wireless LAN Features:

- 802.11ac (Wave 1 & 2) / 802.11n / 802.11a
- 20 / 40 / 80 MHz
- Extended 5GHz Band - Channels 36-48, 52-64, 100-140
- DFS/TPC Support
- Multi-User MIMO - New!
- Up to 866Mb/s total Wi-Fi throughput:
- 802.11a/n: 300Mb/s (150Mb/s per Spatial Stream)
- 802.11ac: 866Mb/s (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! - Disable EAPOL Key Retry to protect unpatched WLAN clients from KRACK

## Wireless Control Features:

- Wireless Client Status List in WUI
- Client Limit per radio
- Client Limit per SSID - New!
- Up to four distinct SSIDs (for VLANs) for each frequency band (2.4/5GHz)
- MAC Cloning
- Built-in DHCP Server & DHCP Relay
- Trusted DHCP Server IP for WLAN - New! - Only specified DHCP server IP can assign IP addresses to WLAN clients
- 802.1q VLAN
- Station Control - Time limit wireless connectivity per Station (e.g. 1 hour) & set allowed Reconnection time (e.g. 1 day)

## Power Requirements:

- Maximum Power Consumption: 12 Watt
- DC 12V via external 100-240v AC/DC PSU (supplied)
- 802.3af PoE via LAN port A1. Requires PoE injector or a PoE switch such as the VigorSwitch P2121

## Wireless Performance Optimisation:

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

## 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

## Management:

- Web Interface (HTTP/HTTPS)
- DHCP Client
- TR-069 Control (For VigorACS or other TR-069 platform)
- CLI (Command Line Interface) - Telnet
- Firmware upgrade by TR-069/HTTP
- Central AP Management (from compatible DrayTek router/controller)
- SNMP v2, v2c, v3
- Management VLAN
- LED Control (enable/disable/schedule)
- Configuration File Export (with password) & Import
- Wireless Auto On/Off - New! - Sound alert / Disable Wireless if VigorAP is unable to ping specified host

## Environmental & Physical:

- Operating Temperature : 0° C to 45° C
- Operating Humidity: 10% to 90% (Non-condensing)
- Physical Dimensions: 107mm (W) x 167mm (H) x 45mm (D)
- Physical Dimensions with Aerials: 107mm (W) x 305mm (H) x 45mm (D)
- Weight : 370g
- Fitting: Wall Mountable or Free Standing
- Pack Contents: VigorAP 903 access point, two RP-SMA Omnidirectional aerials, Quick Start Guide, DC 12V PSU
- Warranty: Two (2) Years RTB

