Draytek VigorAP 903 Mesh Access Point

Product Name: Draytek VigorAP 903 Mesh Access Point
Manufacturer: Draytek
Model Number: VAP903-K

Draytek VigorAP 903 Mesh Access Point
The Draytek 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.
Draytek VigorAP 903 Key Features

ï¿½ Mesh - Access points connect to each other wireless. Eliminates ethernet cabling.
ï¿½ Plug-n-Play - Automatically configure new wireless access points into the network
ï¿½ Self-Healing - In case of a mesh node failure, the surrounding nodes automatically re-connect and resume service without downtime.
ï¿½ Self-Optimisation - Nodes identify the best next hop and connect with it automatically
ï¿½ Wireless Optimisation
ï¿½ Band steering - steers wireless clients to the faster 5Ghz band
ï¿½ Airtime Fairness - improves time management between wireless clients
ï¿½ AP Assisted Roaming - makes sure the devices are always connecting to the best AP
ï¿½ 802.11ac Wave 2 - High performance AC1300 class access point. Improved efficiency and transfer speeds with Multi-User MIMO

Draytek VigorAP 903 Technical Specifications
Physical Interfaces/ Controls

ï¿½ 5 x Gigabit Ethernet LAN Ports
ï¿½ USB 2.0 Port
ï¿½ WLAN On/Off & WPS Button
ï¿½ Factory Reset Button
ï¿½ 2 x Dual-Band Omni-directional RP-SMA Antennae

Wireless Performance

ï¿½ AC1300 Class Wireless Access Point
ï¿½ 5GHz: 866Mb/s
ï¿½ 2.4GHz: 400Mb/s

Wireless LAN Compatibility

ï¿½ IEEE 802.11ac (Wave 1 & 2) / a / b / g / n
ï¿½ Frequency Band 2.4GHz & 5.8Ghz - Simultaneous Operation
ï¿½ Up to 64 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 400Mb/s total Wi-Fi throughput
ï¿½ 802.11b/g/n: 300Mb/s (150Mb/s per Spatial Stream)
ï¿½ 256-QAM: 400Mb/s (200Mb/s per Spatial Stream)

5Ghz Wireless LAN Features

ï¿½ 802.11ac (Wave 1 & 2) / 802.11n / 802.11a

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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 Multi-User MIMO
ï¿½ Up to 866Mb/s total Wi-Fi throughput
ï¿½ 802.11a/n: 300Mb/s (150Mb/s per Spatial Stream)
ï¿½ 802.11ac: 866Mb/s (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! - Disable EAPOL Key Retry to 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 four distinct SSIDs (for VLANs) for each frequency band (2.4/5Ghz)
ï¿½ MAC Cloning
ï¿½ Built-in DHCP Server & DHCP Relay
ï¿½ Trusted DHCP Server IP for WLAN - New! - Only specifed DHCP server IP can assign IP addresses to WLAN clients
ï¿½ 802.1q VLAN
ï¿½ Station Control - Time limit wireless connectivity per Station (e.g. 1 hour) & set allowed Reconnection time (e.g. 1 day)

Power Requirements

ï¿½ Maximum Power Consumption: 12 Watt
ï¿½ DC 12V via external 100-240v AC/DC PSU (supplied)
ï¿½ 802.3af PoE via LAN port A1. Requires PoE injector or a PoE switch such as the VigorSwitch P2121

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)

Diagnostic Features

Draytek VigorAP 903 Mesh Access Point

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

Management

ï¿½ Web Interface (HTTP/HTTPS)
ï¿½ DHCP Client
ï¿½ TR-069 Control (For VigorACS or other TR-069 platform)
ï¿½ CLI (Command Line Interface) - Telnet
ï¿½ Firmware upgrade by TR-069/HTTP
ï¿½ Central AP Management (from compatible DrayTek router/controller)
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
ï¿½ Wireless Auto On/Off - New! - Sound alert / Disable Wireless if VigorAP is unable to ping specified host

Environmental and Physical

ï¿½ Operating Temperature : 0° C to 45° C
ï¿½ Operating Humidity: 10% to 90% (Non-condensing)
ï¿½ Physical Dimensions: 107mm (W) x 167mm (H) x 45mm (D)
ï¿½ Physical Dimensions with Aerials: 107mm (W) x 305mm (H) x 45mm (D)
ï¿½ Weight : 370g
ï¿½ Fitting: Wall Mountable or Free Standing
ï¿½ Pack Contents: VigorAP 903 access point, two RP-SMA Omnidirectional aerials, Quick Start Guide, DC 12V PSU
ï¿½ Warranty: Two (2) Years RTB

Price: $184.80