

DrayTek

VigorAP 903

802.11ac Access Point

- Concurrent 2.4/5GHz dual band
- 802.11ac, 2 x 2 MIMO support
- Data rate: 300Mbps in 2.4GHz and 867Mbps in 5GHz
- 5 Gb physical LAN (1 PoE)
- USB port for printer and thermometer application
- Multi subnet, SSID (4 per band)
- Airtime fairness and Band Steering support to enhance WLAN network performance
- Built-in RADIUS server for 802.1x authentication
- Advance roaming technology with Fast Roaming & AP-assisted Roaming
- APM support



The VigorAP903 is an 11ac dual-band wireless access point with business-grade features provided, including Band Steering, AirTime Fairness, built-in RADIUS server, AP-assisted roaming and Mobile Device Management. It is not only a wireless access point but also a 5 Gigabit Ethernet LAN switch, and there is also a USB port for USB printer or a USB temperature sensor.

Concurrent Dual-Band

VigorAP903 runs on 5 GHz and 2.4 GHz frequency band simultaneously, allows more concurrent Wi-Fi clients, and benefits from the fast Wi-Fi speed of 5GHz and long-range Wi-Fi signal of 2.4GHz at the same time to meet the needs of various network applications. The support of Band Steering feature helps you to direct the 5G-compatible client devices to the less-crowded 5GHz Wi-Fi, thus improve the Wi-Fi experience for all the clients.

Multiple SSID & Built-in RADIUS Server

VigorAP 903 can be used to provide Wi-Fi service to staff and guest at the same time, up to 8 SSIDs can be configured on VigorAP 903, and each of the SSID can be mapped to a different VLAN and have a unique security settings.

VigorAP 903 is also an integrated solution for a business network which would like to do 802.1x authentication (instead of using a shared password, this requires a unique username and password for each user) but does not have an authentication server deployed yet. VigorAP 903 can do 802.x authentication based on the local user accounts, and also act as the RADIUS server for other devices (e.g., a router) on the network.

Roaming

For a network where multiple access points are deployed, VigorAP 903 provides solutions to improve the Wi-Fi client's roaming experience. While roaming is a choice of the client device, VigorAP 903 can help the client switching to another access point which offers better signal by the feature called "AP-Assisted Roaming", custom conditions can be set including a stronger signal guaranteed.

Acting as Wireless Bridge

VigorAP 903 can also be used as a wireless bridge to connect to other VigorAP and deliver connectivity to wired devices through its 5 Gigabit Ethernet ports, thus to extend the local network to where physical lines are not available. Various operating modes are supported, VigorAP 903 can also be the wireless bridge and still accept wireless clients at the same time. Universal Repeater mode is also supported by VigorAP 903 for connecting to other brand's access point or Wi-Fi router to extend their wireless coverage.

Easy Setup & Monitoring

Vigor AP 903 supports both stand-alone setup and controller-based setup. For settings up a few access points only, the configuration can be done directly on the AP's intuitive web user interface. When it comes to managing a large amount of access point, there is the centralized management tool - VigorACS to perform configuration provisioning, bulk firmware upgrade, status monitoring, and statistical analysis. Furthermore, for those who are already using a Vigor Router that supports central management feature, they can manage the VigorAP 903 through the router's web user interface as well.

Wireless AP

- IEEE802.11a/b/g/n/ac Compliant
- Mode
 - 802.11b/g/n, 2.4G Band:
 - AP Mode
 - Universal Repeater
 - 802.11a/n/ac, 5G Band:
 - AP Mode
 - Universal Repeater
- Limited Wireless Clients (Up to 64 Clients)
- Multiple SSIDs (4 SSIDs per radio)
- Hidden SSID
- Wireless Isolation
- MAC Clone
- Security Mode:
 - WEP, WEP/802.1x, WPA/PSK, WPA/802.1x, WPA2/PSK, WPA2/802.1x
- 802.1x Authentication
 - Internal RADIUS Server Support PEAP
 - RADIUS Proxy Support TLS & PEAP
- MAC Address Control
- WPS
- AP Discovery
- WMM
- Bandwidth Management
- Airtime Fairness
- Station Control
- Roaming
 - AP-assisted client roaming
 - PMK-Caching
 - Pre-Authentication
- Band Steering
- Station List

LAN

- DHCP Client
- DHCP Server
- Management VLAN
- Port Control

Central AP Management

- Compliant with Vigor series routers, VigorAPM and ACS 2.0
- Support Auto Provision
- Register including DHCP client and static IP
- WLAN Profile
 - Device Settings
 - SSID Settings including Security, Access Control, and Bandwidth Limit
- Station List
- AP Load Balance (Load Sharing)
- Traffic Graph
- Rogue AP Detection
- AP Maintenance
 - Configuration backup/restore
 - Firmware Upgrade
 - Remote Reboot
 - Factory Reset
- Dashboard

Radius Server

- Support up to 96 users
- Support PEAP and EAP-TLS
- Certificate Management

Applications

- Schedule for Auto Reboot, WiFi up/down, and LED On/Off
- Support Apple iOS Keep Alive
- Temperature Sensor Graph

Mobile Device Management

- Mobile Device Detect
- Block Policy
- Device OS and Block Policy Statistics

Network Management

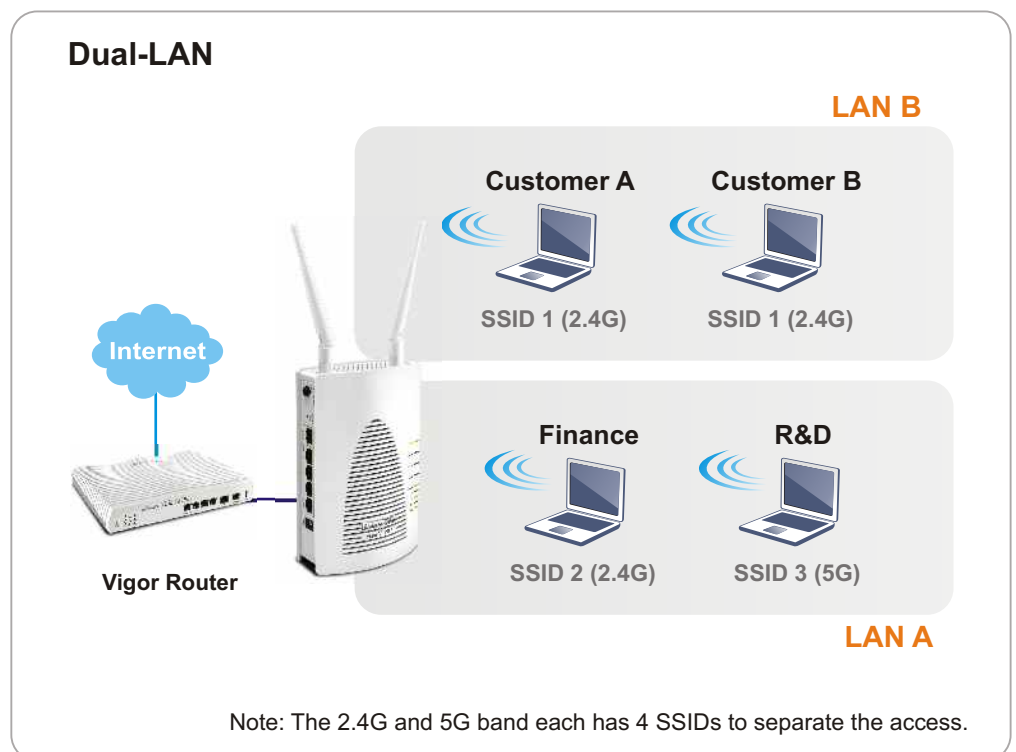
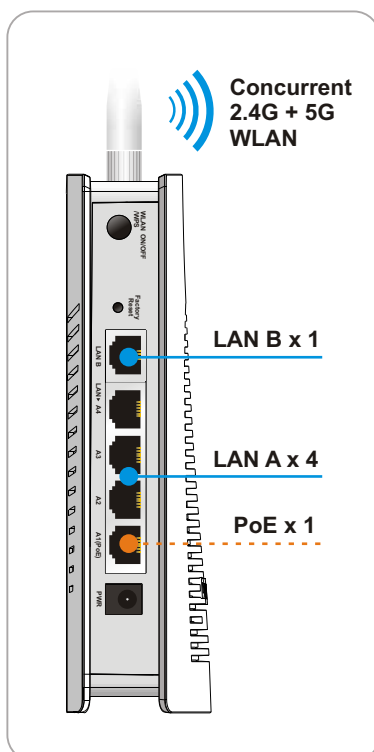
- Web-based User Interface (HTTP/HTTPS)
- CLI (Command Line Interface, Telnet)
- TR-069 (Compliant with VigorACS 2)
- Configuration Backup/Restore
- Firmware Upgrade via WUI
- Syslog/Mail Alert
- SNMP V2/V2c/V3

Diagnostics

- System Log
- Speed Test
- Traffic Graph
- Data Flow Monitor
- WLAN Statistics
- Station Statistics
- Interference Monitor
- Station Airtime
- Station Traffic Graph
- Station Link Speed

Hardware Interface

- 5 x 10/100/1000M Base-T LAN Switch, RJ-45 (LAN A1 for PoE Indoor Use)
- 1 x USB 2.0 Host
- 2 x Detached Antennas
- 1 x Factory Reset Button
- 1 x Wireless ON / OFF / WPS Button
- 1 x Power ON / OFF Button



Note: The 2.4G and 5G band each has 4 SSIDs to separate the access.