Dual Band

Multiple

Notebooks

5GHz

Tablet Pcs

2.4GHz

Smartphones

DrayTek

VigorAP 910C
802.11ac Ceiling-mount Access Point

- Business-class IEEE 802.11a/b/g/n/ac WLAN access point
- Support 802.3af Power over Ethernet (PoE-PD)
- Support Wireless VLAN
- Various operation mode:
  AP/WDS-bridge & repeater/universal repeater
- Built-in RADIUS server
- Compliance with Vigor central AP management

With the optimized antennas built-in, DrayTek VigorAP 910C ceiling-mount wireless access point is ideal for hospitalities, small offices and small campus. The VigorAP 910C is IEEE 802.11ac compliant and supports multiple operating modes, such as wireless access point, wireless client, wireless distribution system (WDS) and universal repeater. The VigorAP 910C makes high density with quality-performance be feasible for users as it is going to be implemented with DrayTek central wireless management (AP Management) supports configuration, firmware upgrade, status, monitoring, and load-balancing.

The benefits of central wireless management (AP Management)
The VigorAP 910C can operate in standalone mode for your office network or a classroom; connected to your LAN and offering you with wireless access. If your network requires several VigorAP 910C units, to centrally manage and monitor them individually as a group will be expected. DrayTek central wireless management (AP Management) lets control, efficiency, monitoring and security of your company-wide wireless access easier be managed. Inside the web user interface, we call "central wireless management" as AP Management which supports mobility, client monitoring/reporting and load-balancing to multiple APs. For central wireless management, you will need a Vigor2860 or Vigor2925 series router; there is no per-node licensing or subscription required. With the unified user interface of Vigor2860 Combo WAN series and Vigor2925 Triple WAN series, the multiple deployment of VigorAP 910C can be clear at the first sight. For multiple wireless clients, to apply the AP Load Balancing to the multiple APs will manage wireless traffic with smooth flow and enhanced efficiency.

PoE for easy installation
The Power of Ethernet (PoE) on VigorAP 910C relieves the installation of power plug. The massive deployment of VigorAP 910C for hospitalities and school environment will be much easier.

WMM for Wi-Fi application prioritization
DrayTek implements intelligent wireless prioritization technology on VigorAP 910C for best utilization of wireless coverage. VigorAP 910C supports Wi-Fi Multi Media standard (WMM). It is a standard created to define Quality of Service (QoS) in Wi-Fi networks. It is a precursor to the upcoming IEEE 802.11e WLAN QoS draft standard, which is meant to improve audio, video and voice applications transmitted over Wi-Fi. WMM adds prioritized capabilities to Wi-Fi networks and optimizes their performance when multiple concurring applications, each with different latency and throughput requirements, compete for network resources.

The combination of VLAN and four SSIDs for Wireless Security
The VigorAP 910C supports the 802.1q VLAN protocol and 4 SSIDs. The VigorAP 910C is connected to an 802.1q enabled LAN, it can split tagged data and broadcast each on its own SSID. For example, your guest WiFi access is allowed on a separate isolated SSID with no access to your ERP server.

Comprehensive WLAN security control
You can obtain the MAC addresses of each wireless client from its configuration utility or operating system. You then enter these addresses into a configuration page of VigorAP 910C. When MAC address filtering is activated, VigorAP 910C performs additional check for wireless clients to prevent network breaking. Clients within the authenticated list will be able to join with the WLAN. Those who are not on the list will be denied while VigorAP 910C receives their request to join the WLAN.

With industry level security standards for wireless user authentication and data encryption, 802.11i (WPA2) offers strengthened and interoperable wireless networking security. The activation of 802.1x RADIUS (Remote Authentication Dial-in User Service) allows you centrally manage and store user names and passwords either within the VigorAP 910C setup itself (thus not requiring any external server) on an external radius server which can allow continuous, time-limited, or temporary access to your clients as required. You can ensure that only legitimate clients can be associated with corporate RADIUS servers.

WDS for unlimited coverage extendibility
The VigorAP 910C can extend over large areas (alike shopping mall) by its "WDS" (wireless distribution system). WDS takes care of the establishment of WLAN network with "point-to-point" and "point-to-multipoint" bridging and repeater modes. The repeater mode provides extend wireless access to additional clients where there is a relay AP repeats signal from a base AP to distant clients. The bridge-to-bridge mode allows two wired networks to be connected across some distance.
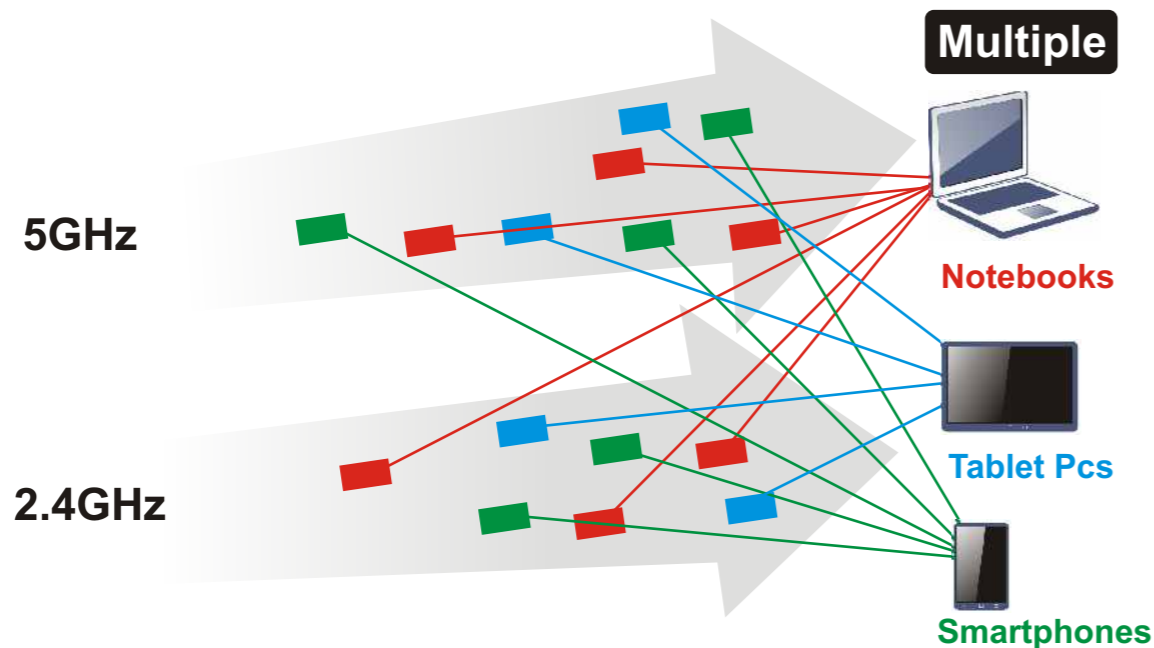
Wireless AP
- IEEE802.11a/b/g/n/ac Compliant
- Mode
  - 802.11b/g/n 2.4G Band:
    - AP Mode
    - AP Bridge Point to Point
    - AP Bridge Point to Multipoint
    - AP Bridge WDS (Wireless Distribution System)
    - Universal Repeater
  - 802.11a/n/ac 5G Band:
    - AP Mode
    - Universal Repeater*
- Wireless Client List
- 64/128-bit WEP/WPA/WPA2
- Multiple SSIDs
- Hidden SSID
- WPS
- WMM
- MAC Address Control
- Wireless Isolation
- Internal RADIUS Server
- MAC Clone
- 802.1x Authentication
  - Internal RADIUS Server Support PEAP
  - RADIUS Proxy Support TLS & PEAP
- DHCP Server & Client
- Management VLAN
- Limited Wireless Clients (Up to 64 Clients)
- Bandwidth Management for Multiple SSIDs*

Network Management
- Web-based User Interface (HTTP/HTTPS)
- CLI (Command Line Interface, Telnet)
- Configuration Backup/Restore
- Firmware Upgrade via HTTP/HTTPS/TR-069
- Syslog
- TR-069 (Compliant with VigorACS SI)
- AP Management (with Vigor Series Routers)

Hardware Interface
- 1 x 10/100/1000M Base-T LAN Switch, RJ-45 (PoE with Isolation, Support 802.3af)
- 1 x Factory Reset Button
- 1 x DC Power Jack
- 1 x Security Lock

*Firmware Upgradeable

Bridge Mode

Internet

Apparel store   Toy shop   Jewelry store   Beauty salon

Smart Phone   Tablet PC   Smart Phone   Tablet PC

Central AP Management

WLAN Setting

AP Status

VigorAP 910C

Multi-SSIDs

Sales Dept.

SSID 1

SSID 2

RD Dept.

SSID 3

Financial Dept.

SSID 4

Internet

VigorAP 910C

Visiting Guests