VigorAP 800
802.11n Access Point

DrayTek
www.draytek.com

- Business-class IEEE 802.11n WLAN access point
- Supports 802.3af Power over Ethernet (PoE)
- Wi-Fi multimedia (WMM) quality of service features
- Comprehensive and trusted security
- Supports 4 SSIDs
- Bandwidth Management with Auto-Adjustment function for each SSID
- Multiple operation modes: access point, wireless client, wireless distribution system (WDS) with access point, WDS/bridge (No AP broadcasting)
- TR-069 for LAN-A: firmware upgrade, configuration backup and restore
- Embedded USB printer server

With a stable and extendable wireless network, both business and home/SOHO users can easily utilize and enjoy high-bandwidth applications, such as ERP/CRM, VoIP, video on demand, e-learning (e.g. iTune U), and so much more. The VigorAP 800 is a wireless Access Point (AP) with MIMO technology and Power over Ethernet (PoE) support. That means you can have most advance wireless network standard for the coverage backward compatible with 802.11b/g standard. Moreover, you would have easy AP installation no matter where the power plug is. At last but not least, VigorAP 800 delivers reliable and secure wireless local area networks (WLANs) through the simplified but robust management and configuration. See below for more feature details.

PoE for easy installation
Power over Ethernet (PoE) support eases the installation by running only one cable to VigorAP 800 to deliver both data and power. You can mount VigorAP 800 to the place which is best for extending coverage without considering if there is ready access to a power plug. Of course, you can also use the included AC adapter if power is available nearby.

WMM for Wi-Fi application prioritization
DrayTek implements intelligent wireless prioritization technology on VigorAP 800 for best utilization of wireless coverage. VigorAP 800 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.

SSID + 2 VLAN groups for workplace security & parental control
The VigorAP 800 supports 4 separate SSIDs and two virtual LANs (VLANs). You can set certain SSID(s) accessing Internet through either VLAN A or B (LAN_A or LAN_B in WUI). As a result, the VigorAP 800 divides itself into several virtual access points all within a single hardware platform. Many mobile networks deployed at corporate offices, hotels, shopping malls or restaurants can take

advantage of this technology to support several applications such as public Internet access and inventory management. For example, guests of a company could be given wireless access for the Internet, but they are excluded from any access to the internal data server. For home users, they can set up different authorization for SSIDs to their K12 kids, young adults and parents to avoiding inappropriate contents accessed by underage family members.

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 800. When MAC address filtering is activated, VigorAP 800 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 800 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. You can ensure that only legitimate clients can be associated with corporate RADIUS servers.

IEEE 802.11n

PoE Security USB MIMO Wireless

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WDS for unlimited coverage extendibility

The VigorAP 800 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. The detachable antenna will let you replace with DrayTek antennas for directional signal shaping or mounting flexibility.

Wireless AP
- Mode:
  - AP Mode
  - Station Infrastructure
  - AP Bridge Point to Point
  - AP Bridge Point to Multipoint
  - WDS
  - Universal Repeater
- IEEE802.11b/g/n Compliant
- Wireless Client List
- 64/128-bit WEP
- WPA/WPA2
- Multiple SSID
- Hidden SSID
- WPS
- WMM (Wi-Fi Multimedia)
- MAC Address Control

- Wireless Client Isolation
- Internal Radius Server*
- MAC Clone
- AP Client Security: TLS, PEAP*
- DHCP Server
- TR-069*
- VLAN Grouping and SSID Mapping for LAN A & B

Network Management
- Web-based User Interface (HTTP)
- CLI (Command Line Interface, Telnet)
- Configuration Backup/Restore
- Firmware Upgrade via WUI
- Management Session Time Out

USB
- Printer Server*

Hardware Interface
- 5 x 10/100 Base-TX LAN Switch, RJ-45 (1 x PoE Port on LAN-A1 Port)
- 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

*Firmware Upgradable

WLAN

LAN B x 1

PoE x 1

LAN A x 4

USB x 1

Internet

WDS

VigorAP 800 (PoE AP)

Lobby

Logistic Dept.

Finance Dept.

Vigor WLAN Routers