VigorAP 800
802.11n Access Point

DrayTek

- Business-class 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 combined with VLAN/802.1q
- Multiple operation modes: access point, wireless client, WDS, bridge & repeater
- Two independent LAN Interfaces & 4-port switch (LAN1)
- Internal Radius authentication server
- Small footprint & wall-mountable

The AP-800 is professional wireless Access Point using 802.11n to provide a reliable and secure wireless LAN for your office or home. It provides an efficient and reliable wireless network ideal for both businesses and SoHo users who can enjoy high-bandwidth applications including multimedia, gaming and laptop or tablet-base computing

Robust and Thorough Security

Security is thorough with multiple methods of securing and restricting access to your network. With MAC address filtering, only devices or hardware in the permitted list stored within the AP-800 can connect to it. Your wireless traffic is encrypted using the latest WPA2 protocol (802.11i). User authentication can also be enabled so that any user has to enter a username and password to get access. Users can be stored in the AP-800 or use a an external Radius server.

Wireless performance (range and speed) is maximised with a MIMO diversified aerial arrangement. Optional high-gain or directional aerials can be used to enhance coverage or focus signal direction.

PoE or Conventional Power

The AP-800 can be powered by its supplied mains adaptor, or for maximum convenience and minimum clutter, by PoE. With PoE, the AP-800's power is sent through the CAT5 ethernet cable, with power provided by any PoE-enabled Ethernet switch or injector.

Efficiency through QoS and WMM

The AP-800 implements intelligent wireless prioritization technology to achieve the best utilisation of your wireless bandwidth as well as the Wi-Fi Multimedia standard (WMM) which defines Quality of Service (QoS) in Wi-Fi networks (a precursor to the upcoming 802.11e WLAN QoS standard), which improves audio, video and voice applications where many applications are competing for bandwidth.

VLANs and Multiple SSIDs

The AP-800 supports four separate SSIDs and two virtual LANs (VLANs). You can set certain SSID(s) accessing Internet through either LAN A or LAN B or instead, use 802.1q VLANs across the network to separate user groups. As a result, the AP-800 is equivalent to several virtual access points all within a single device. Many mobile networks deployed at corporate offices, hotels, shopping malls or restaurants can benefit from this technology to support several applications such as separating public and company Internet access.

Bridge, Repeater and WDS Modes

The VigorAP 800 can extend wireless coverage over larger areas through its WDS capability (wireless distribution system). WDS establishes connections between adjacent wireless networks with "point-to-point" and "point-to-multipoint" bridging and repeater modes. When in 'repeater' mode, the AP-800 extends wireless access to additional clients outside the main access point's normal coverage area. In 'station/client' mode, the AP-800 can provide a wired connection to a client/device or switch over a wireless network. In 'bridge' mode, the AP-800 allows two wired networks to be connected across some distance.

PoE

Security

USB

IEEE 802.11n
MIMO
Wireless

VigorAP 800

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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
- VLAN Grouping and SSID Mapping for LAN A & B

USB

- For Printer or 5.8Ghz Adaptor

Network Management

- Web-based User Interface (HTTP)
- CLI (Command Line Interface, Telnet)
- Configuration Backup/Restore
- Firmware Upgrade via WUI
- Management Session Time Out
- TR-069*

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 Detachable 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

Lobby

Logistic Dept.

Finance Dept.

Internet

WDS

VigorAP 800 (PoE AP)

Vigor WLAN Routers

CE