

VigorAP 700

802.11n Access Point

DrayTek

www.draytek.co.uk

- Latest 802.11n draft with 802.11b/g compatibility for your legacy wireless devices
- Wi-Fi Multimedia (WMM) to maintain quality of multimedia data
- Multiple SSID (up to 4) for guest wireless access to the Internet
- AP-Client mode to provide links to existing wireless networks
- WDS (Wireless Distribution System) to extend your network coverage
- Optional PoE Version allows remote powering through Ethernet
- Built-in Radius Server for user-authentication (password protected access)

The Vigor AP 700 is a Wireless Access Point providing the ultimate industry standard access to corporate networks, Internet, e-mail and residential wireless networks. Multiple layers of security and easy configuration make the AP700 flexible and secure.

DrayTek implements intelligent wireless prioritisation technology on the VigorAP 700. VigorAP 700 supports Wi-Fi Multi Media (WMM) which defines Quality of Service (QoS) operation for Wi-Fi networks. WMM optimises performance when concurrent applications, each with different latency and throughput requirements, compete for network resources.

Traditional access points only can support a single SSID. The VigorAP 700 supports 4 separate SSIDs and virtual LANs (VLANs). As a result, the VigorAP700 can divide itself into several virtual access points all within a single hardware platform.

Wireless LAN networks deployed in companies, hotels, shopping malls or restaurants can take advantage of this technology to support several applications such as public Internet access and inventory management.

Different policies and functions for each SSID can be assigned. For example, guests can be given wireless access for the Internet, but they are excluded from any access to the internal data server.

Each WLAN client (e.g. your laptop PC) has a unique MAC address (hardware address). By setting this MAC address into the accepted list of your AP700, you can block access by any other hardware, increasing the security of your network. Only clients whose MAC addresses are known will have wireless access.

The AP700 provides the latest in wireless security methods for user authentication and encryption including 802.11i (WPA2). The activation of 802.1x allows you centrally manage and store user names and passwords. You can ensure that only legitimate clients can be associated with corporate Radius servers.

The AP700 can cover larger areas by use of its WDS system. WDS establishes extensions to your WLAN network with "point-to-point" and "point-to-multi-point" 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 mode allows two wired networks to be connected wirelessly. The detachable antennae can be replaced with optional antennae for extended range.

For convenient remote deployment, a PoE (power over Ethernet) version of the AP700 is available. This powers the unit from a PoE enabled network (down the ethernet cable) so no local mains power is required.



VigorAP 700

802.11n Access Point

Technical Specification

Standard	IEEE 802.11n (Draft 2.0) / g / b	LAN	1 x 10/100 Port,RJ45
Frequency Bands	2.4GHz	Dimension	30 (H) x 127 (W) x 96 (D) mm
Antenna	2 Detachable Antennas	Temperature	Operating : 0°C to 40°C
Security	64/128-bit WEP, WPA, WPA2 Encryption and 802.1x Authentication	Humidity	10% to 90% Non-condensing
		Power	12VDC (or PoE for V700P)
Transmit Power	11n : 15± 1dBm		
	11g : 15± 1dBm		
	11b : 18± 1dBm		

- Actual data throughput will vary according to the network conditions and environmental factors.
- Environment conditions may adversely affect wireless operation distance.
- Specification and supported features is subject to change.

Application

Range Extended

