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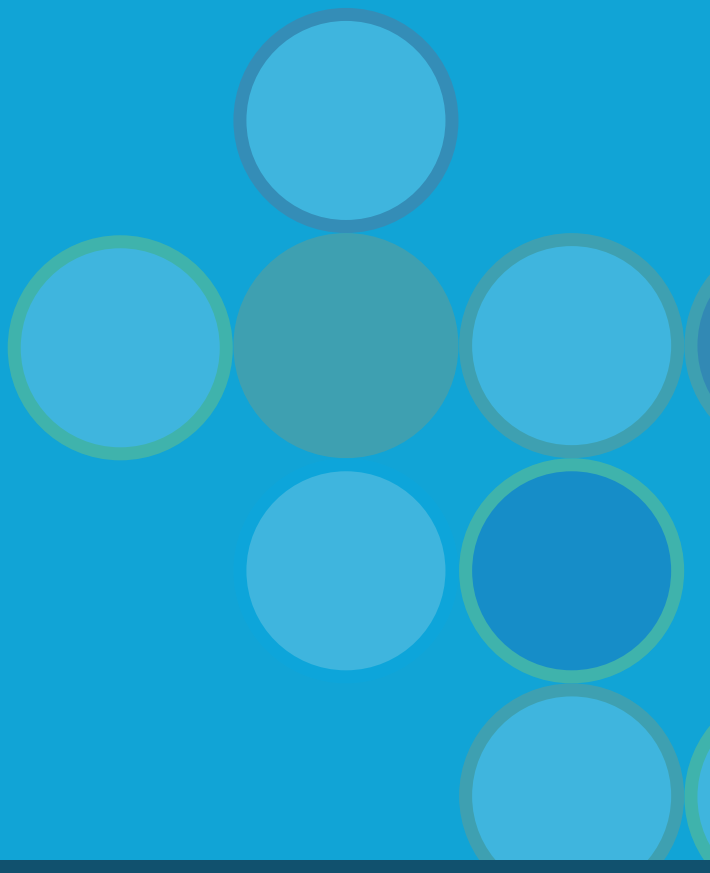
TELECOMMUNICATIONS

Vigor AP 810



AP-810 Wireless Access Point SME

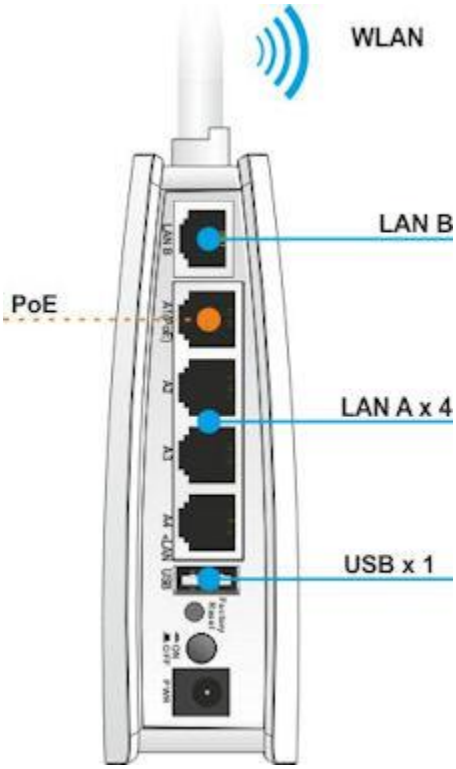
Product Code/EAN	Description
AP810-K / 4716779076134	Vigor AP-810 (UK/IE)

- Business-class 802.11n WLAN access point
- Manageable by DrayTek Wireless Management
- PoE (Power-over-Ethernet - IEEE 802.3af)
- Dual isolated LAN interfaces
- 4-Port Ethernet Switch
- Detatchable Antennae - Can be replaced with uni-directional or higher-gain
- Wireless Encryption : WEP, WPA, WPA2
- Repeater/Bridge/Access Point/Station Modes
- Wireless Client Isolation
- Bandwidth management per SSID
- 802.1q VLAN Tagging (two subnets/VLANs)
- Up to four distinct SSIDs (for VLANs)
- MAC Address Filtering
- Optional USB Thermometer
- Radius / WPA User Authentication
- 802.1x User Authentication
- WDS (Wireless Distribution System)
- WMM (Wireless MultiMedia)
- WPS - WiFi Protected Setup
- Built-in Site Surveyor

Vigor AP-810 Wireless Access Point

The DrayTek Vigor AP-810 is a standalone wireless access point, ideal for adding wireless connectivity to an existing LAN, or for expanding the range of an existing wireless LAN by using the WDS features. It can also be used as part of the DrayTek managed wireless system (see details here). The AP-810 replaces our popular AP-800 model, adding full compatibility with our managed wireless platform.

Wireless Security



The AP-810 features multiple levels of wireless security. Encryption using WEP, WPA, WPA2 (802.11i) is available you can also use the access control list (ACL) to specify the hardware addresses of clients which are permitted to connect (by MAC hardware address). Any unauthorised hardware is refused access.

For additional user authentication, you can activate 802.1x RADIUS (Remote Authentication Dial-in User Service) which allows you to centrally manage and store user names and passwords either within the AP-810 setup itself (thus not needing any external server) on an external radius server which can permit time limited, temporary or continuous access to your clients as required.

The Vigor AP-810 supports the 802.1q VLAN protocol so that if it is connected to an 802.1q enabled LAN, it can split tagged data (whether its different subnets or intended for different users) and broadcast each on its own SSID. This means, for example, that your guest WiFi access is provided on a separate isolated SSID with no access to your company data/devices.

USB Printer Port

The AP-810 has a USB interface into which you can connect a regular printer. That printer is then accessible from any wireless or wired PC which connects to the AP-810, or a PC anywhere else on the network to whick the AP-810 is connected. This is ideal to

provide printer access to wireless laptops but could also be used for installing a printer elsewhere in your home/office by using a pair of AP-810s to make a bridge.

WMM - WiFi Multimedia

The AP-810 implements intelligent wireless traffic prioritization for the most efficient management of wireless traffic by using the Wi-Fi Multimedia standard (WMM). WMM defines Quality of Service (QoS) in Wi-Fi networks. It is a precursor to the upcoming IEEE 802.11e WLAN QoS standard, intended to improve timing critical applications such as audio, video and voice applications over WiFi. WMM adds prioritized capabilities to Wi-Fi networks and optimizes their performance when multiple concurrent applications, each with different latency and throughput requirements, compete for network resources.

WPS - WiFi Protected Setup

Wireless Security (encryption) is important to protect your data (privacy) but also to prevent unauthorised people from accessing your network or your Internet connection. The WPS system means that instead of having to create and enter long encryption keys, you can activate WPS registration. To activate, you press and hold the WPS button, then activate the WPS function on your PC; the two devices then automatically exchange encryption keys. For security, WPS an be disabled if the AP-810 is physically accessible.

The same button on the AP-810 also serves as a physical on/off switch for the Wireless LAN if you wish to quickly disable it at any time, whilst still leaving your wired ports active.

DrayTek Access Points - Model Comparison

	AP-710	AP-810	AP-902	AP-910C
Physical Formal	Desk/Wall	Desk/Wall	Desk/Wall	Ceiling/Wall
Dual-LAN	-	Yes	Yes	-
LAN Ports	1	4+1	4+1 Gb	1 Gb

Built-in PoE	-	Yes	Yes	Yes
WLAN Disable Button	-	Yes	Yes	-
USB Printer Port	-	Yes	Yes	-
802.1q VLAN	-	Yes	Yes	Yes
Dual-Band (2.4Ghz & 5Ghz)	-	-	Yes	Yes
802.11ac Wireless	-	-	Yes	Yes
Bandwidth Management	-	Yes	Yes	Yes
Thermometer Option	-	Yes	Yes	-
Management Compatible	-	Yes	Yes	Yes