

VigorAP 805

High Performance WiFi 6
Access Point



DrayTek

Datasheet

Product Overview

DrayTek VigorAP 805 Mesh AX3000 Wireless Access Point, 2.5GbE Uplink, additional 1GbE for Wired Connectivity, Cylinder Form-factor.

The VigorAP 805 is a high-performance Mesh Wireless Access Point. It offers up to 3Gbps dual-band wireless performance and up to 2.5Gb Ethernet connectivity. The second Gigabit Ethernet port can be used as a mini switch to connect a computer or printer.

Key Features & Benefits

Fastest Wi-Fi 6 Access Point

Experience lightning-fast speeds with the DrayTek AX access point, which offers a combined speed of up to 3000Mbps. This device is perfect for businesses that require efficient networks for demanding applications such as video conferencing, gaming, and large file transfers.

Benefits: High-demand network capacity.

Strong WPA3 Connection Encryption

Protect your network with robust wireless security using the latest WPA3-Personal or 802.1x Enterprise. Networks can transition to the new standard with mixed WPA3/WPA2 support and different SSIDs can be set with varying security levels.

Benefits: Private and secure Wi-Fi network.

Easy to Configure and Manage

With VigorAP 805, you can effortlessly manage up to eight compatible mesh VigorAPs and as many as 20 access points through the easy-to-use Wireless Virtual Controller module. Enjoy the convenience of auto-provisioning and AP monitoring, both readily available upon initial use.

Benefits: Zero Touch Deployment.

Flexible 2.5 Gigabit Ethernet & 1GbE Connectivity

The VigorAP 805 can be linked with the network through its 2.5Gb Ethernet interface. Its secondary Gigabit Ethernet interface can provide additional wired connectivity for a laptop or printer.

Benefits: Multiple and fast wired connectivity.

High Density Performance

Easily accommodate high-density environments by linking up to 256 clients with our 802.11ax dual-band antennas and Wi-Fi 6 2x3 Multi-User MIMO technology.

Benefits: Improved network efficiency in dense environments.

Desk Form Factor Design

The AP-805 is an ideal wireless extender that offers functionality and versatile shape that complements both business and home interiors. The VigorAP's LED indicators can be scheduled or disabled to stop it lighting up a room.

Benefits: Fast setup. Clean and aesthetically pleasing look once installed.

Key Specification

- Wi-Fi 6 Mesh Wireless Access Point
- AX3000 – 11ax Dual Band Wireless
- WPA3 Security – Stronger Security with WPA3 Personal & Enterprise
- Power through DC Power Adapter (included)
- Multi-SSID over Mesh – Separate Internal and Guest Networks over Mesh*
- 2.5Gb Ethernet Uplink & Additional GbE interface
- Centrally Managed or Standalone Operation
- Root AP for AP Management

Vigor 2135ax Router Models

UK Product Code	EAN	Product Name	Product Description
VAP805-K	4710484747310	VigorAP 805 (UK/IE)	Mesh AX3000 Wireless Access Point, 2.5GbE Uplink, additional 1GbE for Wired Connectivity, Cylinder Form-factor

Technical Specification (UK Hardware Spec.)

Physical Interfaces

- 1 x 2.5 Gigabit Ethernet LAN Port (2.5G/1G/100M/10M), RJ45
- 1 x Gigabit Ethernet LAN Port (1G/100M/10M), RJ45
- Wireless Mesh Button
- Factory Reset Button (recessed)
- DC Power Socket

Wireless Performance

- AX3000 Class Wireless Access Point
- Max Concurrent Clients: 256
- Max Wireless Networks (SSIDs): 16 total, 8 per band
- 5GHz: Up to 2400Mb/s PHY Rate with 2 Spatial Streams
- 2.4GHz: Up to 600Mb/s PHY Rate with 2 Spatial Streams

Wireless Antennas

- 3x Internal PiFA 5G Antennas (4.9 dBi)
- 2x Internal PiFA 2.4G Antennas (4.5 dBi)

Wireless LAN Compatibility

- 2.4GHz Standards: IEEE 802.11ax / b / g / n, 2x2 MIMO, up to 1024-QAM
- 5GHz Standards: IEEE 802.11ax / ac Wave 2 / a / n, 2x3 MU-MIMO, up to 1024-QAM

Wireless LAN Features

- WiFi 6
- Dual Band 802.11ax - 2.4 GHz & 5GHz
- Backwards compatible with 802.11ac, 802.11b, 802.11g, 802.11n
- 2.4GHz Channel Bandwidth: 20 / 40 MHz
- 5GHz Channel Bandwidth: 20 / 40 / 80 / 160 MHz
- 2.4GHz Channels: 1 to 13
- 5GHz Channels: Extended 5GHz Band - Channels 36-48, 52-64, 100-140
- DFS/TPC Support for 5GHz channels 52 to 140
- OFDMA – Higher Efficiency
- BSS Colouring - Improves Interference Handling
- TX Beamforming
- 1024-QAM
- Multi-User MIMO

Security Features

- Wireless Encryption:
 - WPA2: Personal, Enterprise (802.1x)
 - WPA3: Personal, Enterprise, OWE
 - WPA/WEP for legacy applications
- 802.1x RADIUS Proxy (PEAP / EAP-TLS)
- PMK Caching & Pre-authentication
- Wireless Client Isolation
- Hidden SSIDs (Selectable)
- WPS - Wi-Fi Protected Setup
- MAC Address Filtering (ACL) - Up to 128 entries
- EAPOL Key Retry - Protect unpatched WLAN clients from KRACK

Access Point Modes

- Access Point
- Mesh Root*
- Mesh Node*
- Range Extender

Wireless Control Features

- Wireless Client Status List in WUI
- Up to eight distinct SSIDs (for VLANs) for each frequency band (2.4/5GHz)
- 802.1q VLAN
- Built-in DHCP Server & DHCP Relay

Wireless Performance Optimisation

- Airtime Fairness
- Band Steering
- WMM (Wireless MultiMedia)
- Fast Roaming 802.11r

Mesh Features*

- Up to 8 APs per Mesh Group
- Up to 3 Mesh Hops per chain with optional Wired Uplinks
- Config Sync
- Self-Healing
- Can be configured & managed with the DrayTek Wireless App
- Mesh Syslog

Diagnostic Features

- Dashboard: Traffic Graph
- System Log
- Traffic Graph
- Wireless LAN Statistics
- Interference Monitor - Built-in Site Surveyor

Management

- Web Interface (HTTP/HTTPS)
- DHCP Client
- TR-069 Control (For VigorACS or another TR-069 platform)
- CLI (Command Line Interface) - Telnet
- Firmware upgrade by TR-069/HTTP
- Central AP Management (from compatible DrayTek router/AP/ controller)
- Central AP Management – manage up to 20 VigorAPs
- SNMP v2, v2c, v3
- Management VLAN
- Configuration File Export (with password) & Import
- Wireless Auto On/Off
- Schedule: Wi-Fi Up/Down, Auto-Reboot, LED On/Off^

Power Requirements

- Maximum Power Consumption: 12 Watts
- DC 12V via external 100-240v AC/DC PSU (supplied)

Environmental & Physical

- Operating Temperature: 0 ° C to 40 ° C
- Operating Humidity: 10% to 90% (non-condensing)
- Physical Dimensions: 110mm (width) x 110mm (depth) x 153mm (height)
- Weight: 405g
- Fitting: Free Standing

Pack Contents

- VigorAP 805 wireless access point
- Ethernet Cable
- DC 12V PSU
- Quick Start Guide

ROHS, UKCA & CE Compliant Warranty

- Two (2) Years RTB
- Software security updates:
 - 3 years after the EOL notification. Please note that this only applies to products sold in the UK
- Optional VigorCare Enhanced Warranty Available
 - VigorCare A3 3 Year Subscription: VCARE-A3
 - VigorCare A5 5 Year Subscription: VCARE-A5

Visit <https://www.draytek.co.uk/information/our-technology/mesh-wireless-compatibility-list> for mesh compatibility details

Product View

