

Vigor 2135ax

The Ideal SoHo VPN Router for Full Fibre Connections

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Product Overview

The DrayTek Vigor 2135ax Ethernet VPN routers are ideal for Small Office and Home Office networks. Featuring powerful Firewall and Content Filtering, configurable Quality of Service and an array of VPN capabilities, with the performance to make full use of FTTP Fibre Broadband.

The inclusion of Wi-Fi 6 technology in the Vigor 2135ax model provides a reliable, highly integrated and reliable connectivity solution for SoHo networks.

Key Features & Benefits

Gigabit Ethernet WAN for Fibre Broadband

Make full use of Fibre Broadband with the Vigor 2135ax's Gigabit WAN. Ideal performance for Home and Small Office applications, where Firewall, Content Filtering and Quality of Service can be managed.

Benefits: Unleash the full potential of Fibre broadband. High speed, Gigabit CPE with flexible application.

High-Performance VPN Router for SMB

Securely connect remote sites at high speed, up to 2 VPN tunnels. Connect remote workers to network resources and secure connectivity, with DrayTek SSL VPN and OpenVPN support.

Benefits: Fast and Secure network access to enable working from home and remote work.

Wi-Fi 6 - AX3000 Performance

Wi-Fi 6 wireless provides gigabit Wi-Fi with reliable throughput. Ideal for time-sensitive video conferencing, low latency gaming and handling 4K Ultra-HD streaming, without buffering.

Benefits: Improve wireless performance. Built with the latest technologies.

Feature Packed Router

Take advantage of DrayTek's rich feature set and useful functionality such as Route Policy, Quality of Service, Firewall, VPN Matcher, DrayDDNS and more.

Benefits: Advanced DrayTek router functionality solves many complex networking issues.

Quality of Service with App QoS

Prioritise essential services easily with DrayTek's App QoS system and Auto-VoIP prioritisation. Customise QoS for your network with four QoS priority queues.

Benefits: Unleash the full potential of Fibre broadband. High speed, Gigabit CPE with flexible application.

Hardware NAT & Routing with Hardware QoS

The accelerator supports up to 4k NAT and routing connections. With acceleration enabled, Vigor2135's firewall performance can reach 940Mbps, while still meeting high expectation of QoS quality. You may easily prioritize business critical apps, and always keep VoIP in 1st priority.

Benefits: Up to 940Mbps throughput helps utilising fibre speeds.

Key Specification

- Gigabit Ethernet WAN Router with Failover
- Up to 940Mbps Firewall Throughput for Ethernet WAN
- 4 Gigabit LAN Ports
- AX3000 - 11ax Dual Band Wireless
- 4 LAN Subnets with VLANs (Port-based / 802.1q)
- SPI Firewall and Content Filtering
- Up to 150Mbps IPsec VPN Throughput
- 2 LAN-to-LAN or Remote Teleworker VPN Tunnels
- DrayTek SSL VPN and OpenVPN support
- Optional VigorCare Available
- Can be centrally Managed by VigorACS

Vigor 2135ax Router Models

UK Product Code	EAN	Product Name	Product Description
V2135AX-K	4710484745835	Vigor 2135ax (UK/IE)	Vigor 2135ax Ethernet Router with Wi-Fi 6 AX3000 Wireless

Technical Specification (UK Hardware Spec.)

Physical Interfaces

- WAN1 Port: 1x Gigabit Ethernet (1G/100M/10M), RJ-45
- LAN Ports: 4x Gigabit Ethernet (1G/100M/10M), RJ-45
- 2x USB 2.0 Port for 3G/4G Modem (not included), USB storage, thermometer or Printer
- Wireless On / Off / WPS button
- Recessed Factory Reset button

Antenna Specifications

- Wireless Antennas:
 - 2x External Dipole Antennas
 - 5GHz Gain: 2.5 dBi
 - 2.4GHz Gain: 2.7 dBi

Performance

- Router Performance:
 - 940 Mb/s NAT Throughput for Ethernet WAN with Hardware Acceleration
 - 600 Mb/s NAT Throughput per Ethernet WAN without Hardware Acceleration
 - 50,000 NAT Sessions
- VPN Performance:
 - 150 Mb/s IPsec (AES256) VPN Throughput
 - 100 Mb/s SSL VPN Throughput
 - Max. 2 Concurrent VPN Tunnels

Internet Connection

- Hardware Acceleration
- 802.1p/q Multi-VLAN Tagging
- Multi-VLAN/PVC
- Connection Detection: PPP, ARP Detect, Ping Detect
- WAN Data Budget
- Dynamic DNS
- DrayDDNS - with automated LetsEncrypt Certificates
- Full Feature-set Hardware Acceleration:
 - Hardware Accelerated Quality of Service
 - WAN Data Budget
 - Traffic Graph & Data Flow Monitor
 - Bandwidth Limit
- IPv4 Connection Types: PPPoE, DHCP, Static IP, PPTP L2TP
- IPv6 Connection Types:
 - Ethernet: PPP, DHCPv6, Static IPv6, TSPC, AICCU, 6rd, 6in4 Static Tunnel
 - USB 4G/LTE Modem: TSPC, AICCU, DHCPv6, Static IPv6

Wireless Features

- AX3000 Wi-Fi 6 Wireless:
 - 802.11ax 2x2 wireless access point
 - Compatible with 802.11a/b/g/n/ac wireless
 - Dual-band (2.4/5Ghz) simultaneous wireless
 - Up to 2402Mbps PHY rate with 5GHz
 - Up to 574Mbps PHY rate with 2.4GHz (256-QAM)
 - Channel Bandwidth: 20/40MHz for 2.4GHz, 20/40/80/160MHz for 5GHz
 - MU-MIMO
- Up to 4 SSIDs per radio band
- Extended 5Ghz Band - Channels 36-48, 52-64, 100-140
- Wireless Optimisation: Airtime Fairness, AP-Assisted Mobility, Band Steering
- Bandwidth Management (Per Station / Per SSID)
- WMM (Wireless MultiMedia)
- WPS - WiFi Protected Setup
- Station Control - Time limited wireless connectivity per Station (e.g. 1 hour)
- EAPOL Key Retry - Disable EAPOL Key Retry to protect unpatched WLAN clients from KRACK
- Wireless Security:
 - WPA2
 - WPA3 - **New!**
 - Pre-Shared Key authentication
 - WEP/WPA for Legacy Clients
 - Access Control - Blacklist / Whitelist client MAC addresses per SSID

Firewall & Content Filtering

- IP-based Firewall Policy
- User-based Time Quota
- DoS Attack Defence
- Spoofing Defence
- Content Filtering:
 - Application Content Filter
 - URL Content Filter
 - DNS Keyword Filter
 - Web Features
 - Web Category Filter (requires GlobalView subscription)
 - DoH (DNS over HTTP) & DoT (DNS over TLS) Filtering - **New!**

NAT Features

- NAT Port Redirection
- Open Ports
- Port Triggering
- DMZ Host
- UPnP
- ALG (Application Layer Gateway): SIP, RTSP, FTP, H.323
- VPN Pass-Through: PPTP, L2TP, IPsec

LAN Management

- 802.1q Tag-based, Port-based VLAN
- Up to 4 LAN Subnets
- Up to 4 VLANs
- DHCP Server:
 - Multiple IP Subnet
 - Custom DHCP Options
 - Bind-IP-to-MAC
 - DHCP Pool Count up to 253 addresses per subnet
- Wired 802.1x Port Authentication
- Port Mirroring
- Local DNS Server
- Conditional DNS Forwarding

Networking Features

- Policy-based Routing: Protocol, IP Address, Port, Domain/Hostname, Country
- DNS Security (DNSSEC)
- Local RADIUS server
- SMB File Sharing (Requires external USB storage)
- Multicast: IGMP Proxy, IGMP Snooping & Fast Leave, Bonjour
- Compatible with IPTV and ISP Video on Demand services (You-View, Sky Q)
- Routing Features: IPv4 & IPv6 Static Routing, Inter-VLAN Routing

VPN Features

- 2 Concurrent active VPN Tunnels
- LAN-to-LAN - Dial-Out VPN Client / Dial-In VPN Server
- Teleworker-to-LAN - Dial-In VPN Server
- IKE Authentication: Pre-Shared Key and Digital Signature (X.509)
- Encryption: MPPE, DES, 3DES, AES (128/192/256)
- Authentication: SHA-256, SHA-1
- Dead Peer Detection (DPD)
- IPsec NAT-Traversal (NAT-T)
- Virtual IP Mapping - Resolve VPN IP subnet/range conflicts
- DHCP over IPsec
- DrayTek VPN Matcher - Connect to a VPN router that's behind NAT/CG-NAT - **New!**
- VPN Protocols:
 - IPsec IKEv1, IKEv2, IKEv2 EAP
 - IPsec-XAuth
 - DrayTek SSL VPN
 - OpenVPN
 - PPTP for legacy applications
 - L2TP, L2TP over IPsec
- User Authentication:
 - Local
 - RADIUS
 - mOTP - Mobile One Time Password
 - TOTP - Time-based One Time Password, compatible with Google Authenticator - **New!**

Bandwidth Management

- IP-based (IPv4 & IPv6) Bandwidth Limit
- App-based Bandwidth Limit - **New!**
- IP-based (IPv4 & IPv6) Session Limit

Quality of Service (QoS)

- Classify via TOS, DSCP, 802.1p, IP Address, Service Type
- 4 Priority Queues
- App QoS
- VoIP Prioritization
- Class-based Outbound Traffic Tagging: DSCP & IP Precedence

Management

- Local Service: HTTP, HTTPS, Telnet, SSH, FTP, TR-069
- Config File Export & Import
- Auto Backup Config to USB Storage - **New!**
- Firmware Upgrade via TFTP, HTTP, TR-069
- 2-Level Administration Privilege
- Access Control Features: Access List, Brute Force Protection
- Syslog
- SMS, E-mail Notification Alert
- SNMP: v1, v2c, v3
- Managed by VigorACS

Router Central Management Features

- AP Management: 2 VigorAP access points

Operating Requirements

- Wall or Shelf Mountable with included fittings
- Temperature Operating: 0 °C ~ 45 °C
- Storage: -25 °C ~ 70 °C
- Humidity 10% ~ 90% (non-condensing)
- Power Consumption: 23.6 watts maximum
- Operating Power: DC 12V (via external PSU, supplied)
- Power Requirements: 100-240VAC
- Dimensions:
 - 155mm Width
 - 50mm Depth
 - 194mm Height

Warranty

- Two (2) Years RTB
- Optional VigorCare Enhanced Warranty Available:
 - VigorCare A3 3 Year Subscription: **VCARE-A3**
 - VigorCare A5 5 Year Subscription: **VCARE-A5**

Box Contents

- Vigor 2135ax router
- Quick Start Guide
- Screws & wall plugs for wall mounting
- 2m Cat-5e RJ-45 Network Cable
- DC 12V Power Supply with UK Plug