

## Draytek Vigor 166 G.Fast & VDSL2 35b Modem (V166-K)



Product Name: Draytek Vigor 166 G.Fast & VDSL2 35b Modem (V166-K)

Manufacturer: Draytek

Model Number: V166-K

Draytek Vigor 166 G.Fast & VDSL2 35b Modem (V166-K)

The Draytek Vigor V166-K is a G.Fast and VDSL2 35b modem to Ethernet bridge, connecting G.Fast or VDSL to your Ethernet-based Router or Firewall. It provides proven compatibility with UK G.Fast and VDSL2 technologies; extensively tested and tuned to provide a robust and reliable DSL connection.

Draytek Vigor V166-K Key Features

• G.fast (Ultrafast Fibre) & VDSL2 (Superfast Fibre) to Ethernet Modem

• Bridges DSL to your Router or Firewall

• Pre-Configured to work with most ISPs

• IPv6 and IPv4 Compatible

• Compatible with IPTV and Video on Demand (YouView, Sky Q)

• 2 Gigabit LAN Ports

• Optional VigorCare Available

G.Fast & VDSL2 35b Capable Up to 330Mbps download and 50Mbps upload with G.Fast technology. Can be used with all the latest DSL standards, with Vectoring and 35b

SuperVectoring. Benefits: High performance and great compatibility. Two Gigabit LAN Ports

Connect two devices to the Vigor 166 with 2 Gigabit (10/100/1000Mbps) LAN ports. No need to

disconnect Ethernet WAN to check connectivity. Benefits: More convenient cabling for

diagnostics. Add DSL connectivity to any Router Ideal Partner device for DrayTek dual-WAN

products or any other vendor's Ethernet WAN firewall. Reports DSL Line Status on

DrayTek Vigor routers. Benefits: Connect any Router or Firewall to G.Fast. No Setup

Needed Works as a modem with most ISPs, straight out of the box. Pre Configured to work with

most UK ISPs. Just set the username and password on your router. Benefits: Quick and easy to

install. Full-Bridge Modem and More Two operation modes for the Vigor 166 allow it to operate as a

fully bridged DSL to Ethernet Modem, or as a mini Router with NAT DMZ Host. Benefits:

Extensively configurable to suit any application. Wall or Shelf Mountable Can be installed securely

on a wall or shelf with screw fixings to hold it in place. Mounting kit included. Benefits: Flexible and

discrete installation.

Draytek Vigor V166-K - Technical Specifications

Physical Interfaces

• 2 x Gigabit Ethernet (1000Mb/s) Ports

• WAN1 : G.Fast/VDSL - RJ-11

• Recessed Factory Reset button

Performance

• Max G.fast Sync Rate: 1.3Gb/s (dependant on ISP & Exchange equipment)

• Max VDSL2 35b Sync Rate: 300Mb/s

• Max VDSL2 17a Sync Rate: 100Mb/s

• Max ADSL2+ Sync Rate: 20Mb/s

• NAT Performance: - Firewall: Up to 700Mb/s (940Mb/s with Hardware Acceleration)- NAT

Sessions: 10,000

## Draytek Vigor 166 G.Fast & VDSL2 35b Modem (V166-K)

### WANFeatures

- Pre-Configured with OpenReach network VLAN tag 101
- WAN1 Service & Customer (double-tag) VLAN support
- Maximum MTU 1508

### G.Fast & DSL Compatibility

- BT Infinity Option 1 & Option 2 Compatible
- Compliant with Openreach SIN 527 & SIN 498
- Auto Detection of G.Fast and VDSL line modes
- Support for G.INP & Vectoring
- G.Fast Standards: - ITU-T G.9700, G.9701 G.Fast- Profile: 106MHz
- VDSL Standards: - ITU-T G.993.1 VDSL - ITU-T G.993.2, G.997.1 VDSL2 - Band Plan: G.998, G.997 - Annex A, Annex B, Annex C - VDSL2 Profile: 8a, 8b, 8c, 8d, 12a, 12b, 17a, 35b-OLR, UPBO, DPBO Supported- US0 Supported- Loop Diagnostic Mode- DSL Forum WT-114
- ATM Protocols: - RFC-2684/RFC-1483 Multiple Protocol over AAL5 - RFC-2516 PPP over Ethernet - RFC-2364 PPP over AAL5 - Support for RFC4638 for MTU up to 1500

### Network Features

- DSL Status Display with DrayTek Vigor routers

### Management Interfaces

- Web-Based User Interface (HTTP / HTTPS)
- CLI ( Command Line Interface ) via Web Console, Telnet or SSH
- Configuration Backup / Restore
- Firmware Upgrade via Web Interface, TFTP

### Router mode Firewall & NAT Features

- DMZ Host
- NAT Port Forwarding
- NAT Port Redirection
- ALG (Application Layer Gateway): SIP, RTSP, FTP, H.323
- VPN Pass-Through: PPTP, L2TP, IPsec
- Object-based IPv4 / IPv6 Firewall
- MAC Address Filter
- SPI ( Stateful Packet Inspection ) with FlowTrack Mechanism
- DoS / DDoS Protection
- IP Address Anti-spoofing
- Bind IP to MAC Address
- DHCP Server
- Static Route & IP Routed Subnet
- URL Keyword Filtering
- Dynamic DNS
- IGMP Proxy

### Router mode WAN Protocols

- DHCP Client
- Static IP
- PPPoE / PPPoA
- IPv6: PPP, DHCPv6, Static IPv6, TSPC, AICCU, 6rd, 6in4 StaticTunnel

## Draytek Vigor 166 G.Fast & VDSL2 35b Modem (V166-K)

• Multi-PVC/VLAN virtual WAN interfaces for Management / IPTVservices

### Router mode Management Features

- Syslog
- SNMP v2 & v3
- VigorACS Management
- TR-069
- TR-104
- NTP Client
- Built-in Diagnostic Function (ping, traceroute)

### Operating Requirements

- Wall Mountable
- Operating Temperature : 0 °C ~ 45 °C
- Storage Temperature : -25 °C ~ 70 °C
- Humidity 10% ~ 90% (non-condensing)
- Power Consumption: 6.6 Watt Max.
- Dimensions:- Length: 181mm - Width: 125mm - Height: 40mm
- Weight: 280g
- Operating Power: DC 12V 1A (via external PSU, supplied)
- Power Requirements : 220-240VAC

### Box Contents

- Vigor 166 Modem
- Quick Start Guide
- RJ-11 DSL Cable
- Cat-5e RJ-45 Cable
- Screws & wall plugs for wall mounting
- DC 12V PSU

**Draytek Vigor 166 G.Fast & VDSL2 35b Modem (V166-K)**

**Price: \$139.66**

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