





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

Manufacturer: Draytek Model Number: V166-K

Draytek Vigor 166 G.Fast & DSL2 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 providesproven 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

ī సై G.fast (Ultrafast Fibre) & Samp; VDSL2 (Superfast Fibre) to Ethernet Modem

12.1/2 Bridges DSL to your Router or Firewall

� Pre-Configured to work with most ISPs

� IPv6 and IPv4 Compatible

าั¿½ Compatible with IPTV and Video on Demand (YouView, Sky Q)

� 2 Gigabit LAN Ports

� Optional VigorCare Available

G.Fast & DSL 2 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 NeededWorks 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 MoreTwo 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

آذِاتِ 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



#### **WANFeatures**

� Pre-Configured with OpenReach network VLAN tag 101 � WAN1 Service & Description (double-tag) VLAN support

ï¿1/2 Maximum MTU 1508

### G.Fast & DSL Compatibility

ï¿1/2 BT Infinity Option 1 & Dption 2 Compatible

� Compliant with Openreach SIN 527 & SIN 498

� Auto Detection of G.Fast and VDSL line modes

ï¿1/2 Support for G.INP & amp; Vectoring

آزار 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- USO Supported- Loop Diagnostic Mode- DSL Forum WT-114 Γ¿½ 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

า๊¿½ Web-Based User Interface (HTTP / HTTPS)

าั¿½ CLI ( Command Line Interface ) via Web Console, Telnet or SSH

ï¿1/2 Configuration Backup / Restore

� Firmware Upgrade via Web Interface, TFTP

### Router mode Firewall & amp; NAT Features

ï¿⅓ DMZ Host

� NAT Port Forwarding

ï¿⅓ NAT Port Redirection

آذِ1/2 ALG (Application Layer Gateway): SIP, RTSP, FTP, H.323

آزٰ VPN Pass-Through: PPTP, L2TP, IPsec

ï¿1/2 Object-based IPv4 / IPv6 Firewall

ï¿⅓ MAC Address Filter

ī స్ట్రీ SPI (Stateful Packet Inspection) with FlowTrack Mechanism

ï¿1/2 DoS / DDoS Protection

ï¿1/2 IP Address Anti-spoofing

ï¿1/2 Bind IP to MAC Address

� DHCP Server

� Static Route & Prouted Subnet

� URL Keyword Filtering

� Dynamic DNS

� IGMP Proxy

#### Router mode WAN Protocols

� DHCP Client

آزا Static IP

آزٰ½ PPPoE / PPPoA

آذِنًا IPv6: PPP, DHCPv6, Static IPv6, TSPC, AICCU, 6rd, 6in4 StaticTunnel



### าั¿½ Multi-PVC/VLAN virtual WAN interfaces for Management / IPTVservices

## Router mode Management Features

تز½ Syslog

ï¿1/2 SNMP v2 & v3

� VigorACS Management

� TR-069

ï¿⅓ TR-104

ï¿⅓ NTP Client

า๊¿½ Built-in Diagnostic Function (ping, traceroute)

## Operating Requirements

تز1/2 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.

าั¿½ Dimensions:- Length: 181mm - Width: 125mm - Height: 40mm

آزيء Weight: 280g

i¿½ Operating Power: DC 12V 1A (via external PSU, supplied)

ï¿1/2 Power Requirements: 220-240VAC

## **Box Contents**

� Vigor 166 Modem

� Quick Start Guide

ï¿⅓ RJ-11 DSL Cable

� Cat-5e RJ-45 Cable

ï¿1/2 Screws & amp; wall plugs for wall mounting

� DC 12V PSU



Price: £106.90