

## DrayTek Vigor 2862n Router with 802.11n Wireless



Product Name: DrayTek Vigor 2862n Router with 802.11n Wireless

Manufacturer: -

Model Number: V2862N-K

Please Note: This product has been discontinued. Please see the Draytek Vigor 2865ac AC1300 Wireless VDSL Router (V2865AC-K) for an alternative.

DrayTek Vigor 2862n Router with 802.11n Wireless

The DrayTek Vigor 2862n ADSL Router is a flagship router/firewall. This router supports both ADSL and VDSL (BT Infinity/FTTC), whilst also boasting several professional-level features to increase security, flexibility and functionality.

DrayTek Vigor 2862n Key Features

- 5-Port Gigabit Ethernet LAN Switch\*

- Up to 8 Private LAN Subnets

- SSL VPN - Tunnel or Proxy (16 users)

- Up to 32 VPN tunnels for LAN-to-LAN or teleworkers

- Larger Subnets - up to 1022 IPs per subnet (LAN1-3)

As well as ADSL/VDSL support, alternative WAN ports can instead provide connectivity to Ethernet feeds (Gigabit WAN2 is switchable with LAN Port 5\*), secondary xDSL modems or a 3G/4G cellular service using a supported USB adapter (or there is the Vigor 2862Ln model with 3G/4G/LTE built-in). These multiple LAN feeds can be combined for failover or load-balancing. If you deploy DrayTek Wireless Access Points, the Vigor 2862 can act as the Central Management controller. \*requires f/w 3.8.8 or later, otherwise the 5th Ethernet port is for WAN2 only.

DrayTek Vigor 2862n - Technical Specifications

Physical Interfaces:

- LAN Ports (Switch) 5 X Gigabit Ethernet (1000Mb/s) Ports LAN Port 5 Switchable with WAN2 (req. f/w 3.8.8 or later)

- WAN Ports: WAN1 : ADSL/VDSL, RJ11 WAN2 : Gigabit Ethernet (1000Mb/s) Ethernet for load balance and WAN failover Switchable with LAN Port 5 WAN3 : USB 2.0 Port for 3G/4G Modem, thermometer or Printer WAN4 : USB 2.0 Port for 3G/4G Modem or Printer (Not on vigor 2862Ln) Wireless WAN - Wireless interface can provide WAN connectivity

Performance:

- Firewall: Up to 400Mb/s max

- IPSec VPN: Up to 60Mb/s max

ADSL Compatibility:

- ANSI T1.413 Issue2

- ITU-T G.992.1 G.dmt (ADSL)

- ITU-T G.992.2 G.lite

- ITU-T G.992.3 ADSL2

- ITU-T G.992.5 ADSL2+

- Annex L (READSL)

- Annex A

- Annex M

- ANFP Issue 3 Compliant/Certified (for Annex A & Annex M)

- DSL Forum : TR-048/67 & TR-100

## DrayTek Vigor 2862n Router with 802.11n Wireless

### VDSL Compatibility:

- 1/2 BT Infinity Option 1 & Option 2 Compatible
- 1/2 BT SIN 498 MCT Approved
- 1/2 Support for G.INP & Vectoring
- 1/2 ITU-T VDSL2 G.993.2
- 1/2 ITU-T G.993.1, G.997.1
- 1/2 Band Plan: G.998, G.997
- 1/2 Annex A, Annex B, Annex C
- 1/2 VDSL2 Profile: 8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a
- 1/2 OLR, UPBO, DPBO Supported
- 1/2 US0 Supported
- 1/2 Loop Diagnostic Mode
- 1/2 DSL Forum WT-114

### Load Balance/Failover Features:

• 1/2 Outbound Policy-Based Load-Balance to direct traffic via:

- 1/2 NAT or Routing
- 1/2 WAN Interface
- 1/2 LAN Interface
- 1/2 Specific LAN Gateway
- 1/2 VPN Tunnel

- 1/2 IP-Based or Session-Based Load Balance modes
- 1/2 WAN Connection Fail-over
- 1/2 BoD (Bandwidth on Demand)
- 1/2 WAN1 PPPoE/PPPoA Fallback account, used if the primary details are unable to establish a working connection
- 1/2 Configurable Load-Balance pool, specify WAN interfaces to load balance
- 1/2 WAN Budget

### Vigor 2862 ATM Protocols (DSL):

- 1/2 RFC-2684/RFC-1483 Multiple Protocol over AAL5
- 1/2 RFC-2516 PPP over Ethernet
- 1/2 RFC-2364 PPP over AAL5
- 1/2 PPPoE pass through LAN/WLAN
- 1/2 PPPoE/PPPoA Relay
- 1/2 Transparent bridge for MPoA
- 1/2 Multiple PVC support for Triple Play Applications (up to 8 simultaneous)
- 1/2 Support for RFC4638 for MTU up to 1500

### Wireless LAN Features ('n' and 'ac' Models Only):

- 1/2 802.11g/b/n and 802.11ac (Vigor 2862ac only)
- 1/2 Backward Compatibility for 802.11b/g
- 1/2 Wireless Features on Vigor 2862ac:

- 1/2 802.11a
- 1/2 802.11ac (5Ghz)
- 1/2 4x4 MU-Mimo (5Ghz)
- 1/2 Up to 4 Spatial Streams

## DrayTek Vigor 2862n Router with 802.11n Wireless

- TX Beam Forming
- 1733Mb/s Link Rate (5Ghz) + 300Mb/s (2.4Ghz)
- Dual-band (2.4/5Ghz) simultaneous wireless
- 256QAM
- Extended DFS frequency range

- Multiple SSID : Create up to 4 virtual wireless LANs (independent or joined)
- Packet Aggregation and Channel Bonding
- Optional Higher Gain or directional aerials available
- Active Client list in Web Interface
- Wireless LAN Isolation (from VLAN groups and wired Ethernet interfaces)
- 64/128-bit WEP Encryption
- WPA/WPA2 Encryption
- Switchable Hidden SSID
- Restricted access list for clients (by MAC address)
- Time Scheduling (WLAN radio can be disabled at certain times of day)
- Time Scheduling for individual SSIDs
- Access Point Discovery
- WDS (Wireless Distribution system) for WLAN Bridging and Repeating
- 802.1x Radius Authentication
- Wireless VLAN
- Wireless Rate-Control
- Automatic Power Management
- 802.11e WMM (Wi-Fi Multimedia)
- Station Control, limit wireless client access time per day
- Airtime Fairness
- Band Steering
- Wireless WAN mode for WAN2, switchable with Ethernet (Wireless models only)

### WAN Protocols (Ethernet):

- DHCP Client
- Static IP
- PPPoE
- PPTP
- BPA

### Firewall & Security Features:

#### • CSM (Content Security Management):

- URL Keyword Filtering - Whitelist or Blacklist specific sites or keywords in URLs
- Block Web sites by category (e.g. Adult, Gambling etc. Subject to subscription)
- Prevent accessing of web sites by using their direct IP address (thus URLs only)
- Blocking automatic download of Java applets and ActiveX controls
- Blocking of web site cookies
- Block http downloads of file types :

- Binary Executable : .EXE / .COM / .BAT / .SCR / .PIF
- Compressed : .ZIP / .SIT / .ARC / .CAB/ .ARJ / .RAR
- Multimedia : .MOV / .MP3 / .MPEG / .MPG / .WMV / .WAV / .RAM / .RA / .RM / .AVI / .AU

- Time Schedules for enabling/disabling the restrictions

## DrayTek Vigor 2862n Router with 802.11n Wireless

- ½ Block popular P2P (Peer-to-Peer) file sharing programs
- ½ Block Instant Messaging programs (e.g. IRC, Skype/Yahoo Messenger etc.)

- ½ DNS Filter: Use DNS to enforce categorisation
- ½ Web Portal
- ½ Multi-NAT (32 WAN IPs per WAN1 & WAN2)
- ½ DMZ Host
- ½ DMZ Port (via LAN port P1, switchable)
- ½ 40 Port Redirection rules
- ½ 40 Open Port rules (10 port ranges per rule)
- ½ Policy-Based Firewall
- ½ MAC Address Filter
- ½ SPI ( Stateful Packet Inspection ) with new FlowTrack Mechanism
- ½ DoS / DDoS Protection
- ½ IP Address Anti-spoofing
- ½ E-Mail Alert and Logging via Syslog
- ½ Bind IP to MAC Address
- ½ User Management:

- ½ Up to 200 Profiles
- ½ Supports external authentication via LDAP or RADIUS
- ½ Per User Bandwidth and Time Quota
- ½ Schedule Control to delete or disable account automatically

### Bandwidth Management:

- ½ Quality of Service (QoS)
- ½ Guaranteed Bandwidth for VoIP
- ½ Class-based Bandwidth Guarantee by User-Defined Traffic Categories
- ½ Layer 2&3 (802.1p & TOS/DCSP)
- ½ DiffServ Code Point Classifying
- ½ 4-level Priority for each Direction (Inbound / Outbound)
- ½ Bandwidth Borrowed
- ½ App QoS: Classify traffic by Application

- ½ Temporary (5 minute) Quick Blocking of any LAN Client
- ½ Bandwidth Limit (Shared or individual limit)
- ½ Smart Bandwidth Limitation (Triggered by Traffic / Session)
- ½ Session Limit

### Network/Router Management:

- ½ Web-Based User Interface (HTTP / HTTPS)
- ½ CLI ( Command Line Interface ) / Telnet / SSH
- ½ Web Console: Access CLI through Web Interface
- ½ Administration Access Control
- ½ Brute Force Protection
- ½ Configuration Backup / Restore
- ½ Configuration Import from Vigor 2820, Vigor 2830, Vigor 2850 & Vigor 2860
- ½ Built-in Diagnostic Function

## DrayTek Vigor 2862n Router with 802.11n Wireless

- Firmware Upgrade via Web Interface, TFTP, FTP
- Logging via Syslog
- Supports SmartMonitor (up to 50 IPs monitored)
- SNMP v2 & v3 Management with MIB-II
- TR-069
- TR-104
- Access Point Management: Centrally Manage up to 20 DrayTek VigorAPs
- Switch Management: Centrally Manage up to 10 DrayTek VigorSwitches

### VPN Facilities:

- Up to 32 Concurrent VPN Tunnels (incoming or outgoing)
- Tunnelling Protocols:

- PPTP
- IPSec
- L2TP
- L2TP over IPSec
- DrayTek SSL
- GRE

- IPSec Main and Aggressive modes
- IKE Phase 1 DiffieHelman Groups 1,2,5 & 14
- IKE Phase 2 DiffieHelman Groups 1,2,5 & 14 (will match phase 1 selection)
- IKEv2 & IKEv2
- Encryption : MPPE, DES / 3DES (168bits) and Hardware-Based AES (128/192/256bits)
- Authentication : Hardware-Based MD5, SHA-1 and SHA-256 (f/w 3.8.3 and later)
- IKE Authentication : Pre-shared Key or X.509 Digital Signature
- SSL VPN for teleworkers - Up to 16 simultaneous users. Proxy or tunnel
- LAN-to-LAN & Teleworker-to-LAN connectivity
- DHCP over IPSec
- NAT-Traversal ( NAT-T )
- Dead Peer Detection (DPD)
- VPN Pass-Through
- MOTP (Mobile One Time Password) for two factor authentication (2FA)
- Virtual IP Mapping, map a remote IP subnet/range to another range to resolve IP subnet/range conflicts
- Port forwarding (Port Redirection, Open Ports) to remote clients connected via an IPsec LAN to LAN VPN

### Network Features:

- Port-Based VLAN (Inclusive/Exclusive Groups)
- 802.1q VLAN Tagging
- Port Mirroring
- 802.1X Port Authentication
- Multi Subnet DHCP Servers with DHCP Relay
- LAN Clients : Up to 1022 per subnet (for subnets 1-3)
- Custom DHCP Option support
- Dynamic DNS
- DNSSEC support
- DNS Transparent Proxy
- DNS Caching
- LAN DNS (supports CNAME)

## DrayTek Vigor 2862n Router with 802.11n Wireless

- NTP Client (Synchronise Router Time)
- Call Scheduling (Enable/Trigger Internet Access by Time)
- RADIUS Client
- LDAP Client
- TACACS+ Client
- High Availability
- Internal RADIUS Server
- Microsoft®; UPnP Support
- Maximum MTU 1534
- Routing Protocols:

- Static Routing (30 routes)
- RIP V2
- RIPng for IPv6

### Operating Requirements:

- Rack Mountable (Optional Vigor RM1 mounting bracket required)
- Wall Mountable
- Temperature Operating : 0°C ~ 45°C
- Storage : -25°C ~ 70°C
- Humidity 10% ~ 90% (non-condensing)
- Power Consumption: 18 Watt Max.
- Dimensions: L240.96 \* W165.07 \* H43.96 ( mm )
- Operating Power: DC 12V (via external PSU, supplied)
- Warranty : Two (2) Years RTB
- Power Requirements : 220-240VAC

Please see product User Guide [here](#).

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**Price: £214.80**