

DrayTek Vigor 2862Ln with 802.11n Wireless and 3G/4G/LTE



Product Name: DrayTek Vigor 2862Ln with 802.11n Wireless and 3G/4G/LTE

Manufacturer: -

Model Number: V2862LN-K

Please Note: This product has been discontinued. Please see the Draytek Vigor 2865Lac as an alternative.

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The DrayTek Vigor 2862Ln 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 2862Ln Key Features

• Supports VDSL2, ADSL, 3G/4G and Ethernet-based Broadband

• BT SIN 498 MCT Approved

• 4-WAN Simultaneous : VDSL/ADSL, Ethernet and dual optional USB 3G/4G

• Wireless Management of compatible DrayTek APs

• DrayDDNS Service Support

If you deploy DrayTek Wireless Access Points, the Vigor 2862 can act as the Central Management controller. A 5-port Gigabit Ethernet switch on the LAN side also provides high speed connectivity for your server, other local PCs, or for uplink to a larger Ethernet switch. Comprehensive security features include content filtering, web application controls and an object based firewall management system. Port 5 is switchable with 'WAN2' to use it as an Ethernet WAN port instead of a LAN port*. *requires f/w 3.8.8 or later, otherwise the 5th Ethernet port is for WAN2 only.

DrayTek Vigor 2862Ln - 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

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VDSL Compatibility:

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

Load Balance/Failover Features:

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

- NAT or Routing
- WAN Interface
- LAN Interface
- Specific LAN Gateway
- VPN Tunnel

• IP-Based or Session-Based Load Balance modes

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

Vigor 2862 ATM Protocols (DSL):

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

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

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

- 802.11a
- 802.11ac (5Ghz)
- 4x4 MU-Mimo (5Ghz)

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- Up to 4 Spatial Streams
- 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

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- Time Schedules for enabling/disabling the restrictions
- Block popular P2P (Peer-to-Peer) file sharing programs
- Block Instant Messaging programs (e.g. IRC, Skype/Yahoo Messenger etc.)

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

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

Bandwidth Management:

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

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

Network/Router Management:

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

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- Built-in Diagnostic Function
- 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

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- LAN DNS (supports CNAME)
- 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](#).

Price: £371.60