DrayTek Vigor 2862ac Router with 802.11ac Wireless



Product Name: DrayTek Vigor 2862ac Router with 802.11ac Wireless
Manufacturer: -
Model Number: V2862AC-K

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

DrayTek Vigor 2862ac Router with 802.11ac Wireless
The DrayTek Vigor 2862ac 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 2862ac Key Features

ï¿½ Extended DFS frequency range
ï¿½ 4x4 Multi-User-MIMO (5Ghz)
ï¿½ 1733Mb/s Total Link Rate (5Ghz) + 300Mb/s (2.4Ghz)
ï¿½ IPv4/IPv6 Dual-Stack
ï¿½ Router-Assisted Client Mobility

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 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 2862ac - Technical Specifications
Physical Interfaces:

ï¿½ LAN Ports (Switch)5 X Gigabit Ethernet (1000Mb/s) PortsLAN Port 5 Switchable with WAN2 (req. f/w 3.8.8 or later)
ï¿½ WAN Ports:WAN1 : ADSL/VDSL, RJ11WAN2 : Gigabit Ethernet (1000Mb/s) Ethernet for load balance and WAN failoverSwitchable with LAN Port 5WAN3 : USB 2.0 Port for 3G/4G Modem, thermometer or PrinterWAN4 : USB 2.0 Port for 3G/4G Modem or Printer (Not on vigor 2862Ln)Wireless WAN - Wireless interface can provide WAN connectivity

Performance:

ï¿½ Firewall: Up to 400Mb/s max
ï¿½ IPSec VPN: Up to 60Mb/s max

ADSL Compatibility:

ï¿½ ANSI T1.413 Issue2
ï¿½ ITU-T G.992.1 G.dmt (ADSL)
ï¿½ ITU-T G.992.2 G.lite
ï¿½ ITU-T G.992.3 ADSL2
ï¿½ ITU-T G.992.5 ADSL2+
ï¿½ Annex L (READSL)
ï¿½ Annex A
ï¿½ Annex M
ï¿½ ANFP Issue 3 Compliant/Certified (for Annex A & Annex M)
ï¿½ DSL Forum : TR-048/67 & TR-100

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VDSL Compatibility:

ï¿½ BT Infinity Option 1 & Option 2 Compatible
ï¿½ BT SIN 498 MCT Approved
ï¿½ Support for G.INP & Vectoring
ï¿½ ITU-T VDSL2 G.993.2
ï¿½ ITU-T G.993.1, G.997.1
ï¿½ Band Plan: G.998, G.997
ï¿½ Annex A, Annex B, Annex C
ï¿½ VDSL2 Profile: 8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a
ï¿½ OLR, UPBO, DPBO Supported
ï¿½ US0 Supported
ï¿½ Loop Diagnostic Mode
ï¿½ DSL Forum WT-114

Load Balance/Failover Features:

ï¿½ Outbound Policy-Based Load-Balance to direct traffic via:

ï¿½ NAT or Routing
ï¿½ WAN Interface
ï¿½ LAN Interface
ï¿½ Specific LAN Gateway
ï¿½ VPN Tunnel

ï¿½ IP-Based or Session-Based Load Balance modes
ï¿½ WAN Connection Fail-over
ï¿½ BoD (Bandwidth on Demand)
ï¿½ WAN1 PPPoE/PPPoA Fallback account, used if the primary details are unable to establish a working connection
ï¿½ Configurable Load-Balance pool, specify WAN interfaces to load balance
ï¿½ WAN Budget

Vigor 2862 ATM Protocols (DSL):

ï¿½ RFC-2684/RFC-1483 Multiple Protocol over AAL5
ï¿½ RFC-2516 PPP over Ethernet
ï¿½ RFC-2364 PPP over AAL5
ï¿½ PPPoE pass through LAN/WLAN
ï¿½ PPPoE/PPPoA Relay
ï¿½ Transparent bridge for MPoA
ï¿½ Multiple PVC support for Triple Play Applications (up to 8 simultaneous)
ï¿½ Support for RFC4638 for MTU up to 1500

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

ï¿½ 802.11g/b/n and 802.11ac (Vigor 2862ac only)
ï¿½ Backward Compatibility for 802.11b/g
ï¿½ Wireless Features on Vigor 2862ac:

ï¿½ 802.11a
ï¿½ 802.11ac (5Ghz)
ï¿½ 4x4 MU-Mimo (5Ghz)

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ï¿½ Up to 4 Spacial Streams
ï¿½ TX Beam Forming
ï¿½ 1733Mb/s Link Rate (5Ghz) + 300Mb/s (2.4Ghz)
ï¿½ Dual-band (2.4/5Ghz) simultaneous wireless
ï¿½ 256QAM
ï¿½ Extended DFS frequency range

ï¿½ Multiple SSID : Create up to 4 virtual wireless LANs (independent or joined)
ï¿½ Packet Aggregation and Channel Bonding
ï¿½ Optional Higher Gain or directional aerials available
ï¿½ Active Client list in Web Interface
ï¿½ Wireless LAN Isolation (from VLAN groups and wired Ethernet interfaces)
ï¿½ 64/128-bit WEP Encryption
ï¿½ WPA/WPA2 Encryption
ï¿½ Switchable Hidden SSID
ï¿½ Restricted access list for clients (by MAC address)
ï¿½ Time Scheduling (WLAN radio can be disabled at certain times of day)
ï¿½ Time Scheduling for individual SSIDs
ï¿½ Access Point Discovery
ï¿½ WDS (Wireless Distribution system) for WLAN Bridging and Repeating
ï¿½ 802.1x Radius Authentication
ï¿½ Wireless VLAN
ï¿½ Wireless Rate-Control
ï¿½ Automatic Power Management
ï¿½ 802.11e WMM (Wi-Fi Multimedia)
ï¿½ Station Control, limit wireless client access time per day
ï¿½ Airtime Fairness
ï¿½ Band Steering
ï¿½ Wireless WAN mode for WAN2, switchable with Ethernet (Wireless models only)

WAN Protocols (Ethernet):

ï¿½ DHCP Client
ï¿½ Static IP
ï¿½ PPPoE
ï¿½ PPTP
ï¿½ BPA

Firewall & Security Features:

ï¿½ CSM (Content Security Management):

ï¿½ URL Keyword Filtering - Whitelist or Blacklist specific sites or keywords in URLs
ï¿½ Block Web sites by category (e.g. Adult, Gambling etc. Subject to subscription)
ï¿½ Prevent accessing of web sites by using their direct IP address (thus URLs only)
ï¿½ Blocking automatic download of Java applets and ActiveX controls
ï¿½ Blocking of web site cookies
ï¿½ Block http downloads of file types :

ï¿½ Binary Executable : .EXE / .COM / .BAT / .SCR / .PIF
ï¿½ Compressed : .ZIP / .SIT / .ARC / .CAB/. ARJ / .RAR
ï¿½ Multimedia : .MOV / .MP3 / .MPEG / .MPG / .WMV / .WAV / .RAM / .RA / .RM / .AVI / .AU

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ï¿½ Time Schedules for enabling/disabling the restrictions
ï¿½ Block popular P2P (Peer-to-Peer) file sharing programs
ï¿½ Block Instant Messaging programs (e.g. IRC, Skype/Yahoo Messenger etc.)

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

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

Bandwidth Management:

ï¿½ Quality of Service (QoS)

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

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

Network/Router Management:

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

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ï¿½ Built-in Diagnostic Function
ï¿½ Firmware Upgrade via Web Interface, TFTP, FTP
ï¿½ Logging via Syslog
ï¿½ Supports SmartMonitor (up to 50 IPs monitored)
ï¿½ SNMP v2 & v3 Management with MIB-II
ï¿½ TR-069
ï¿½ TR-104
ï¿½ Access Point Management: Centrally Manage up to 20 DrayTek VigorAPs
ï¿½ Switch Management: Centrally Manage up to 10 DrayTek VigorSwitches

VPN Facilities:

ï¿½ Up to 32 Concurrent VPN Tunnels (incoming or outgoing)
ï¿½ Tunnelling Protocols:

ï¿½ PPTP
ï¿½ IPSec
ï¿½ L2TP
ï¿½ L2TP over IPSec
ï¿½ DrayTek SSL
ï¿½ GRE

ï¿½ IPSec Main and Agressive modes
ï¿½ IKE Phase 1 DiffieHelman Groups 1,2,5 & 14
ï¿½ IKE Phase 2 DiffieHelman Groups 1,2,5 & 14 (will match phase 1 selection)
ï¿½ IKEv2 & IKEv2
ï¿½ Encryption : MPPE, DES / 3DES (168bits) and Hardware-Based AES (128/192/256bits)
ï¿½ Authentication : Hardware-Based MD5, SHA-1 and SHA-256 (f/w 3.8.3 and later)
ï¿½ IKE Authentication : Pre-shared Key or X.509 Digital Signature
ï¿½ SSL VPN for teleworkers - Up to 16 simultaneous users. Proxy or tunnel
ï¿½ LAN-to-LAN & Teleworker-to-LAN connectivity
ï¿½ DHCP over IPSec
ï¿½ NAT-Traversal (NAT-T)
ï¿½ Dead Peer Detection (DPD)
ï¿½ VPN Pass-Through
ï¿½ MOTP (Mobile One Time Password) for two factor authentication (2FA)
ï¿½ Virtual IP Mapping, map a remote IP subnet/range to another range to resolve IP subnet/range conflicts
ï¿½ Port forwarding (Port Redirection, Open Ports) to remote clients connected via an IPsec LAN to LAN VPN

Network Features:

ï¿½ Port-Based VLAN (Inclusive/Exclusive Groups)
ï¿½ 802.1q VLAN Tagging
ï¿½ Port Mirroring
ï¿½ 802.1X Port Authentication
ï¿½ Multi Subnet DHCP Servers with DHCP Relay
ï¿½ LAN Clients : Up to 1022 per subnet (for subnets 1-3)
ï¿½ Custom DHCP Option support
ï¿½ Dynamic DNS
ï¿½ DNSSEC support
ï¿½ DNS Transparent Proxy
ï¿½ DNS Caching

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ï¿½ LAN DNS (supports CNAME)
ï¿½ NTP Client (Synchronise Router Time)
ï¿½ Call Scheduling (Enable/Trigger Internet Access by Time)
ï¿½ RADIUS Client
ï¿½ LDAP Client
ï¿½ TACACS+ Client
ï¿½ High Availability
ï¿½ Internal RADIUS Server
ï¿½ Microsoft™ UPnP Support
ï¿½ Maximum MTU 1534
ï¿½ Routing Protocols:

ï¿½ Static Routing (30 routes)
ï¿½ RIP V2
ï¿½ RIPng for IPv6

Operating Requirements:

ï¿½ Rack Mountable (Optional Vigor RM1 mounting bracket required)
ï¿½ Wall Mountable
ï¿½ Temperature Operating : 0°C ~ 45°C
ï¿½ Storage : -25°C ~ 70°C
ï¿½ Humidity 10% ~ 90% (non-condensing)
ï¿½ Power Consumption: 18 Watt Max.
ï¿½ Dimensions: L240.96 * W165.07 * H43.96 (mm)
ï¿½ Operating Power: DC 12V (via external PSU, supplied)
ï¿½ Warranty : Two (2) Years RTB
ï¿½ Power Requirements : 220-240VAC

Please see product User Guide here.

Please Enquire