

# Draytek Vigor 2925 Dual-WAN Router Firewall



Product Name: Draytek Vigor 2925 Dual-WAN Router Firewall

Manufacturer: Draytek

Model Number: V2925N

## Draytek Vigor 2925 Dual-WAN Router Firewall

The Draytek Vigor 2925 Dual-WAN Router Firewall is a dual-Ethernet WAN firewall for load-balancing or failover. It's also a fully featured firewall, VPN concentrator and content filtering device. This latest router series includes support for professional features such as VLAN tagging, Gigabit Ethernet built-in wireless LAN (Vigor 2925).

- Dual-WAN Gigabit Ethernet
- Dual-WAN 3G/4G (via USB Modem)
- All-WAN Simultaneous operation
- Load-Balancing & WAN Failover
- IPv6 Ready - See below for feature support
- High performance - up to 300Mb/s firewall throughput
- DrayTek Firewall with huge flexibility
- 5-Port Gigabit Ethernet LAN Switch
- Temperature Monitoring (optional Thermometer)
- 802.11a/b/n Wireless LAN (Vigor 2925n/n-plus)
- Dual-band (2.4/5Ghz) Wireless (Vigor2925n-plus)
- Wireless Guest Portal
- Multiple Private LAN Subnets
- SMS (Text Message) Alert
- VLANs (Port or 802.1q based)
- IGMP v2 & v3 MultiCast
- Includes SmartMonitor (50 users)
- Content Filtering (by keyword, data type or category)
- Ethernet and WiFi VLANs (common/distinct groups)
- LDAP Integration for VPN and user access
- QoS (Layer 2 & 3, 802.1p & TOS/DCSP)
- Up to 32 VPN tunnels for LAN-to-LAN or teleworkers
- VPN Trunking & Backup
- SSL VPN - Tunnel or Proxy (25 users)
- USB Port for Printer, Logs or 3G Modem



## Robust & Comprehensive Firewall

Security is always taken seriously with DrayTek routers. The firewall protects against attacks including DoS (Denial of Service) attacks, IP-based attacks and access by unauthorised remote systems. Wireless, Ethernet and VPN are also protected by various protection systems. The latest ('Version 3') DrayTek object-based firewall allows even more setup flexibility than ever, enabling you to create combinations of users, rules and restrictions to suit multi-departmental organisations. The Vigor 2925 also allows selective direction firewall rules of LAN to WAN, WAN

to LAN or LAN to VPN. In addition, QoS (Quality of Service Assurance) can now be selectively applied to specific users.

## IPv6 - Next Generation Internet Routing

The Vigor 2925 supports IPv6 - the successor to the current IPv4 addressing system that has been used since the Internet was first created. IPv4 address space is full up and IPv6 allows for much more efficient routing and a larger address space. IPv6 is supported both from your own ISP, but if your ISP does not (yet) support IPv6, the Vigor 2925 also supports IPv6 broker/tunnel services to provide IPv6 access using either TSPC or AICCU via 3rd party IPv6 providers.

IPv6 on the Vigor2925 and Vigor2925n provides the following features:

- Operation on any one of the WAN ports (ADSL/VDSL, Ethernet or 3G)
- Connectivity to direct native IPv6 ISPs
- Built-in tunneling to 3rd party IPv6 brokers
- supporting TSPC or AICCU methods
- Default stateful firewall for all IPv6 LAN Clients/Devices
- DHCPv6 Client or Static IPv6 Client
- DHCPv6 & RADVD for client configuration
- IP Filtering Rules
- QoS for IPv6 with DiffServ
- Router Management over IPv6 (Telnet/HTTP) with IPv6 Access List
- Simultaneous (concurrent) operation with IPv4 ("Dual-Stack")
- Other router features are available on IPv4 only currently

## Vigor 2925 ADSL/VDSL Series - Technical Specification

### Physical Interfaces:

- LAN Ports (Switch)
  - 5 X Gigabit Ethernet (1000Mb/s) Ports
  - Port-Based VLAN (Inclusive/Exclusive Groups)
  - 802.1q VLAN Tagging
- WAN Ports:
  - WAN1 : Gigabit Ethernet (1000Gb/s Interface)
  - WAN2 : Gigabit Ethernet (1000Gb/s Interface)
  - WAN3 : USB Port for 3G Cellular Modem or Printer
- Performance:
  - Firewall: Up to 300Mb/s
  - IPSec VPN: Up to 50Mb/s
- Load Balance/Failover Features:
  - Outbound Policy-Based Load-Balance
  - WAN Connection Fail-over
  - BoD (Bandwidth on Demand)
- Wireless LAN Features ('n' Models Only):

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- 802.11b/g/n (Vigor 2925n)
  - 802.11b/g/n/a (Vigor 2925n-plus)
  - Simultaneous Dual-Band Operation - 2.4Ghz/5Ghz (Vigor 2925n-plus)
  - Multiple SSID : Create up to 4 virtual wireless LANs (independent or joined)
  - Packet Aggregation and Channel Bonding
  - 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 can be disabled at certain times of day)
  - 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)
- WAN Protocols (Ethernet):
- DHCP Client
  - Static IP
  - PPPoE
  - PPTP
  - L2TP \*
  - 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
- Block P2P (Peer-to-Peer) popular file sharing programs
  - Block Instant Messaging programs (e.g. IRC, MSN/Yahoo Messenger etc.)
- Multi-NAT, DMZ Host
  - Port Redirection and Open Port Configuration
  - Policy-Based Firewall

# Draytek Vigor 2925 Dual-WAN Router 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
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- Bandwidth Management:
    - 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
    - Temporary (5 minute) Quick Blocking of any LAN Client
    - Bandwidth / Session Limitation (with automatic adjustment)
    - TOS/DSCP QoS Mapping
    - Smart Bandwidth Limitation (Triggered by Traffic/ Session)
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- Network/Router Management:
    - Web-Based User Interface (HTTP / HTTPS)
    - CLI ( Command Line Interface ) / Telnet / SSH
    - Administration Access Control
    - Configuration Backup / Restore
    - Built-in Diagnostic Function
    - Firmware Upgrade via TFTP / FTP
    - Logging via Syslog
    - SNMP v3 Management with MIB-II
    - TR-069
    - TR-104
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- VPN Facilities:
    - Up to 32 Concurrent VPN Tunnels (incoming or outgoing)
    - Tunneling Protocols: PPTP, IPSec, L2TP, L2TP over IPSec
    - IPSec Main and Aggressive modes
    - Encryption : MPPE and Hardware-Based AES / DES / 3DES
    - Authentication : Hardware-Based MD5 and SHA-1
    - IKE Authentication : Pre-shared Key or X.509 Digital Signature
    - SSL / OpenVPN VPN for teleworkers - Up to 25 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)
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- Network Features & Routing protocols

# Draytek Vigor 2925 Dual-WAN Router Firewall

- DHCP Client / Relay / Server
  - DHCP Option 66 support
  - Dynamic DNS (3rd party providers)
  - NTP Client (Synchronise Router Time)
  - Call Scheduling (Enable/Trigger Internet Access by Time)
  - RADIUS Client
  - Microsoft®; UPnP Support (30 connections)
  - Static Routing
  - RIP v2
  - IGMP v2 & V3 and IGMP snooping
  - DNS Cache & Proxy
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- 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 15V (via external PSU, supplied)
    - Warranty : Two (2) Years RTB
    - Power Requirements : 220-240VAC

**Price: £219.00**

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