

## Draytek Vigor 2930Vn Dual WAN Wireless router



Product Name: Draytek Vigor 2930Vn Dual WAN Wireless router

Manufacturer: -

Model Number: V2930vn

Please note that this product is End of Life. Please see the Draytek 2920VN as an alternative.

Draytek Vigor 2930Vn Dual WAN Wireless router

Voice-over-IP Features ('V' model only)

The Voice-over-IP (VoIP) facilities on the Vigor 2930 'V' models within the series are extensive. Standard SIP compliance, with up to 12 simultaneous registrars (e.g. DrayTEL etc.) is supported, plus multiple codec support and many supplemental services enabling you to make thorough use of your Internet connection for Voice calls. Short codes (speed dials) and VoIP LCR ('Least Cost Routing') are also supported.

Versions with SIP-Compliant VoIP (Voice-over-IP) and ISDN support are also available. High Speed total WAN throughput of up to 70Mb/s is available, and IPSec VPN throughput of up to 40Mb/s. Extensive QoS support and comprehensive Web Content filtering features help you make the most efficient use of your bandwidth. The Vigor 2930 is in an all-new DrayTek housing design with all LEDs and sockets provided conveniently on the front. This makes desk usage, wall mounting or rack-mounting (optional bracket required) all equally convenient.

Wireless LAN ('n' models only)

The Vigor2930 Series ('n' models) features the latest 802.11n wireless LAN specification and has been certified by the WiFi alliance for cross compatibility and WiFi compliance (including WPA/WPA2 and WMM). 802.11n provides a total wireless bandwidth of up to 300Mb/s using new methods such as packet aggregation and channel bonding. Throughput depends on your own environment (factors such as obstructions, number of hosts and distance all make a significant difference), but actual transfer speeds of 100Mb/s are achievable (based on our real world tests). In addition, 802.11n provides greater coverage and resilience to interference compared to previous wireless standards thanks to the MIMO technology and the Vigor's triple-antennae diversity arrangement. This offset arrangement of aeriels provides offset paths between hosts so that interference can be overcome.

DrayTek Vigor 2930vn Features

• 802.11n Compliant

• WiFi Alliance Approved

• Packet Aggregation and Channel Bonding

• Optional Higher Gain or directional aeriels available

• Backward-compatible with 802.11b and 802.11g Standards

• 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 (Firmware Upgradable, ETA March 2008)

• 802.1x Radius Authentication

• Wireless Rate-Control

• Automatic Power Management

• 802.11e WMM (Wi-Fi Multimedia)

Vigor 2930Vn Series - Technical Specification Physical Interfaces: LAN Ports (Switch):

• LAN: 4-port 10/100 Base-TX Switch

## Draytek Vigor 2930Vn Dual WAN Wireless router

- WAN: 2-port 10/100 Base-TX Ethernet
- VoIP: 2-port FXS Phone Ports ('V' models only)
- ISDN: 2-Ports. One fixed S0, one configurable NT / TE mode ('S' model only)

### Dual-WAN Ports:

- 10/100Base-T Ethernet
- Outbound Policy-Based Load-Balance
- WAN Connection Fail-over
- BoD (Bandwidth on Demand)

### VoIP Features ('V' Models only):

- Protocols: SIP, RTP / RTCP
- 12 SIP Registrar Accounts (for up to 12 VoIP providers)
- G.168 Line Echo-cancellation
- Automatic Gain Control
- Jitter Buffer ( 125ms )
- Voice Codecs:

- G.711 A / &micro; Law
- G.723.1
- G.726
- G.729 A / B

### Wireless LAN Features ('n' models only):

- 802.11n Compliant
- Latest 'MIMO' Technology with three aerials (2T3R)
- Packet Aggregation and Channel Bonding
- Compatible with 802.11b and 802.11g Standards
- 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 (Firmware Upgradable)
- 802.1x Radius Authentication
- Wireless Rate-Control
- Automatic Power Management
- 802.11e WMM (Wi-Fi Multimedia)

- VAD / CNG
- Tone Generation: DTMF , Dial , Busy , Ring Back , Call Progress
- DTMF Transmission: In Band / Out Band ( RFC-2833 ) / SIP info
- FAX / Modem Support G.711 Pass-through
- T.38 for FAX
- Supplemental Services:

- Caller ID

## Draytek Vigor 2930Vn Dual WAN Wireless router

- Call Hold / Retrieve
- Call Waiting
- Call Waiting with Caller ID
- Call Transfer
- Call Forwarding ( Always , On Busy and On No Answer )
- DND (Do not Disturb)
- Call Barring ( Incoming / Outgoing )
- MWI ( Message Waiting Indicator ) ( RFC-3842 )
- Hotline (Dial preset number when handset lifted)

### ISDN Features ('S' Model Only):

- RJ-45 S/T Interfaces
- ISDN Loop-Through
- ISDN On-net / Off-net
- Euro ISDN Compatible
- Automatic ISDN Backup for Internet Access
- Support 64 / 128Kbps ( Multilink-PPP)
- BoD ( Bandwidth on Demand )
- Remote Dial-In / LAN-to-LAN Connection
- Remote Activation (Dial back on ISDN Caller ID recognition)
- ISDN Port Passthrough During Power Cut

### WAN Protocols:

- 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
- Surfcontrol Support - Block Web sites by category (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) file sharing programs (e.g. Kazza, WinMX etc. )
- Block Instant Messaging programs (e.g. IRC, MSN/Yahoo Messenger etc.)

## Draytek Vigor 2930Vn Dual WAN Wireless router

- Multi-NAT, DMZ Host
- Port Redirection and Open Port Configuration
- Policy-Based Firewall
- MAC Address Filter
- SPI ( Stateful Packet Inspection )
- DoS / DDoS Protection
- IP Address Anti-spoofing
- E-Mail Alert and Logging via Syslog
- Bind IP to MAC Address

### VPN Support:

- Up to 50 Simultaneous VPN Tunnels
- Protocols : PPTP, IPSec, L2TP, L2TP over IPSec
- Encryption : MPPE and Hardware-Based AES / DES / 3DES
- Authentication : Hardware-Based MD5 , SHA-1
- IKE Authentication : Pre-shared Key and Digital Signature ( X.509 )
- PFS (Perfect Forward Secrecy)
- IKE Phase 1 Aggressive/Standard Modes & Phase 2 Selectable lifetimes
- LAN-to-LAN (Dial-in & Dial-Out), Teleworker-to-LAN
- DHCP over IPSec
- NAT-Traversal (NAT-T)
- Dead Peer Detection (DPD)
- VPN Pass-Through

### Bandwidth Management:

- QoS
- Guaranteed Bandwidth for VoIP
- Class-based Bandwidth Guarantee by User-Defined Traffic Categories
- 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

### 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 Management with MIB-II

### Network Features:

- DHCP Client / Relay / Server
- Dynamic DNS
- NTP Client (Synchronise Router Time)
- Call Scheduling (Enable/Trigger Internet Access by Time)
- RADIUS Client
- DNS Cache / Proxy

## Draytek Vigor 2930Vn Dual WAN Wireless router

- Microsoft® UPnP
- Port-Based VLAN (Ethernet LAN ports exclusive/inclusive groups)

### Routing Protocols:

- Static Routing
- RIP V2

### Operating Requirements:

- Rack Mountable (Optional mount bracket required)
- 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 : 2 Years Manufacturer's RTB included
- Power Requirements : 220-240VAC

\* Intended to be added in future firmware version

**Please Enquire**