

### WAN Feature

- Ethernet WAN
- IPv4:
  - DHCP Client, Static IP, PPPoE, PPTP, L2TP, 802.1q Multi-VLAN Tagging
- IPv6:
  - Tunnel Mode: TSPC, AICCU, 6rd, Static 6rd
  - Dual Stack: PPP, DHCPv6 Client, Static IPv6
- USB (WAN-3)
  - PPP/DHCP
  - WAN Connection Failover
  - WAN Budgets\*
  - Load-Balance/Route Policy

### Network Feature

- DHCP Client/Relay/Server
- IGMP Snooping/Proxy V2 and V3
- Dynamic DNS
- NTP Client
- Call Scheduling
- RADIUS Client
- DNS Cache/Proxy and LAN DNS
- UPnP 3.0 sessions
- Multiple Subnets
- Port-based/Tag-based VLAN (802.1q)
- Routing Protocol:
  - Static Routing
  - RIP V2

### VPN

- Up to 50 VPN Tunnels
- Protocol: PPTP, IPsec, L2TP, L2TP over IPsec
- Encryption: MPPE and Hardware-based AES/DES/3DES
- Authentication: MD5, SHA-1
- IKE Authentication: Pre-shared Key and Digital Signature (X.509)
- LAN-to-LAN, Teleworker-to-LAN
- DHCP over IPsec
- IPsec NAT-traversal (NAT-T)
- Dead Peer Detection (DPD)
- VPN Pass-through
- VPN Wizard
- oNTP
- SSL VPN: 25 Tunnels
- VPN Trunk (Load Balance/Backup)

### Network Management

- Web-based User Interface (HTTP/HTTPS)
- Quick Start Wizard
- CLI (Command Line Interface, Telnet/SSH)
- Administration Access Control
- Configuration Backup/Restore
- Bulk Diagnostic Function
- Firmware Upgrade via TFTP/FTP/HTTP/TR-069
- Logging via Syslog
- SNMP Management MIB-II (v2/v3)
- Management Session Time Out
- 2-level Management (Admin/User Mode)
- TR-069
- TR-104
- LAN Port Monitoring
- Support Smart Monitor (Up to 50 nodes)
- Central AP Management (Up to 20 APs)

### Firewall

- Multi-NAT, DMZ Host, Port/redirect and Open Port
- Object-based Firewall, Object IPv6, Group IPv6
- MAC Address Filter
- SPI (Stateful Packet Inspection) (Flow Track)
- DoS/DDoS Prevention
- IP Address Anti-spoofing
- E-mail Alert and Logging via Syslog
- Bind IP to MAC Address
- Time Schedule Control
- User Management

### Bandwidth Management

- QoS:
  - Guarantee 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
- Session Limitation
- Bandwidth Limitation
- Layer-2 (802.1p) and Layer-3 (TOS/DSCP) QoS Mapping

### VoIP (Vn-plus) Model

- Protocol: SIP, RTP/RTCP
- 12 SIP Registrars
- G.168 Line Echo-cancellation
- Jitter Buffer
- Voice codec:
  - G.711
  - G.723.1
  - G.729
  - A/B
  - VAD/CNG
- DTMF Tone:
  - Inband
  - Outband (RFC2833)
- SIP Info:
  - FAX/Modem Support:
    - Tone Detection
    - G.711 Pass-through
    - T.38
- Supplemental Services:
  - Call Hold/Retrieve/Waiting
  - Call Waiting with Caller ID\*
  - Call Transfer
  - Call Forwarding
  - [Always, Busy and No Answer]
  - Call Barring (Incoming/Outgoing)
  - DND (Do Not Disturb)
  - MWI (Message Waiting Indicator) (RFC3842)
  - Hotline
  - Secure Phone (ZRTP + SRTP)
  - PSTN Loop-through When Power Failure
  - Dial Plan:
    - Phone Book
    - Digit Map
    - Call Barring
    - Regional

### CSM (Content Security Management)

- IM/P2P Application
- GlobalView Web Content Filter (Powered by Commtouch)
- URL Content Filter:
  - URL Keyword Blocking (Whitelist and Blacklist)
  - Java Applet, Cookies, Active X, Compressed, Executable, Multimedia File Blocking
  - Excepting Subnets

### USB

- 3.5G (HSDPA)/4G (LTE) as WAN
- Printer Sharing
- File System:
  - DHCP FAT32 File System
  - Support FTP Function for File Sharing
  - Support Samba for File Sharing

note: LTE USB mobile Support List Please Contact support@draytek.com

### Wireless AP (n model)

- 802.11n WLAN with Concurrent 2.4/5 GHz Frequency (n-plus model)
- 802.11n WLAN with Single Band 2.4 GHz Frequency (n model)
- Wireless Client List
- Wireless LAN Isolation
- 64/128bit WEP
- WPA/WPA2
- Wireless Wizard
- Hidden SSID
- WPS
- MAC Address Access Control
- Access Point Discovery
- WDS (Wireless Distribution System)
- 802.1x Authentication
- Multiple SSID
- Wireless Rate-control
- IEEE802.11e WMM (W/F Multimedia)
- SSID VLAN Grouping with LAN Port (Port-based VLAN)

### Hardware Interface

- 2 x 1000Base-TX RJ-45 (WAN1/WAN2)
- 5 x 10/100/1000Base-TX LAN, RJ45
- Configurable Physical DMZ on Port1
- 2 Detachable Antennas (n-plus Model)
- 2 x FXS and 1 x Life Line Port, RJ11 (Vn-plus Model)
- 2 x USB Host 2.0
- 1 x Factory Reset Button
- 1 x Wireless On/Off/WPS Button

	VoIP	2.4 GHz	5 GHz
Vigor2925 Vn-plus	•	•	•
Vigor2925 n-plus	•	•	•
Vigor2925 n	•	•	
Vigor2925	•		

## Vigor2925 Series

### Dual-WAN Security Router

- Dual Gigabit Ethernet WAN ports for failover and load-balancing
- Object-based SPI Firewall and CSM (Content Security Management) for network security
- 2 x USB 2.0 ports for 3G/4G mobile, FTP server and network printers
- 5 x Gigabit LAN ports with multiple subnets
- VLAN for secure and efficient workgroup management
- 50 VPN tunnels with comprehensive secure protocols
- VPN load-balancing and backup for site-to-site applications
- Supports Smart Monitor Traffic Analyzer (Up to 50 nodes)
- VoIP for cost-effective communication (Vn-plus)
- Flexible Network Management
- Support IPv6 & IPv4 network



Vigor2925 Series is the IPv6 ready dual WAN broadband security firewall router. It ensures the business continuity for today and the future IPv6 network. Its two gigabit Ethernet WAN port can accept various high-speed Ethernet-based WAN links via FTTx/xDSL/Cable. The 2 USB ports are for 3G/4G LTE mobile broadband access. With the multi-WAN accesses, Vigor2925 routers support bandwidth management functions such as failover and load-balancing, making them ideal solutions for reliable and flexible broadband connectivity for the small business office.

The specifications cover many functions that are required by modern day businesses, including secure but easy to apply firewall, comprehensive VPN capability, Gigabit LAN ports, USB ports for 3G/4G mobile dongles, FTP servers and network printers, VLAN for flexible workgroup management, and much more. Vigor2925Vn-plus has twin analogue phone ports and one line port (life line). It supports multiple SIP Registrars with high flexible configuration and call handling options.

### Dual Gigabit Ethernet WAN ports for failover and load-balancing

The Gigabit Ethernet WAN ports cater for any type of Internet access, including FTTx, xDSL and Cable fitting your local infrastructure. You can then use both WAN 1 and WAN 2 for failover, ensuring that you will always have an access to the Internet even if one of the WAN fails, or for load-balancing so the 2 WANs share Internet traffic requirements of your organization.

### Multi-task USB functionalities

Through mobility, brought by cellular networks, you can connect 3.5G/4G USB mobile to 2.0 version USB port on Vigor2925 series.

This can be a backup broadband connection if the primary fixed line drops. You can connect USB disk or hard-drive to USB port for memory storage and file sharing. The Vigor2925 series provide you with FTP access file uploading/downloading, which can be used from the local LAN or from anywhere on the Internet. The access can be using "username and password" or "public". Each of them can have their own directories and/or file access rights. The two Gigabit Ethernet WANs and USB mobile (connected to USB port) can be used either for WAN-backup or load balancing.

### Secured networking

DrayTek Vigor2925 series inherited versatile firewall mechanism from previous Vigor series routers. The object-based design used in SPI (Stateful Packet Inspection) firewall allows users to set firewall policy with ease. Object-based firewall is flexible and allows your network be safe. DoS/DDoS prevention and URL/Web content filter strengthen the security outside and control inside. The enterprise-level CSM (Content Security Management) enables users to control and manage IM (Instant Messenger) and P2P (Peer-to-Peer) applications more efficiently. The CSM hence prevents inappropriate content from distracting employees and impeding productivity. Furthermore, the CSM can keep office networks threat-free and available.

By adoption of the world-leading Commtouch GlobalView Web Content Filtering, you can block whole categories of web sites (e.g. sports, online shopping), subject to an annual subscription to the Commtouch GlobalView WCF, which is timely updated with changed or new site categorizations. A free 30-day trial can be activated via activation wizard of WUI.

\* Firmware Upgradeable

The "User Management" implemented on your router firmware can allow you to prevent any computer from accessing your Internet connection without a username or password. You can set scheduler or maximum usage time to your employees within office network. The user accounts can also be restricted by any other aspect of the firewall rule on a user-by-user basis.

Vigor2925 series support DrayTek's SmartMonitor network traffic analyzer (up to 50 users), which captures actual live data of activities in your managed network, such as the content of MSN entering to or out of your network. You can track specified files download/upload or view statistics on data type activities to realize what corporate related information have been released accidentally or on purpose.

**Working with Smart Monitor Traffic Analyzer**

Timeline of employee's every network activity

### 50 VPN tunnels; hardware based with comprehensive secure protocols

Up to 50 VPN tunnels are supported, each can be set to IPsec/PPTP/L2TP/L2TP over IPsec protocols, with hardware encryption of AES/DES/3DES. This level of VPN capability covers the requirements of most businesses for secure inter-office and remote data accessing. For the site-to-site application, Vigor2925 Series offers VPN load-balancing & backup to deliver the high performance and reliable remote access. For client-to-site, remote dial-in users can use up-to 25 SSL VPN tunnels to avoid the local network infrastructure limitation.

### Cost-effective VoIP feature

The VoIP QoS feature is available in the all Vigor2925 Series. It ensures the VoIP packets with highest priority and desired bandwidth to make crystal-clear calls.

In line with the concept of Internet covering all aspect of communication requirements, Vigor2925Vn-plus has 2 FXS ports and a Line port, and supports many supplemental services. You can connect 2 analogue telephones to the 2 FXS ports, and the PSTN line to the Line port.

Vigor2925Vn-plus supports 12 SIP (Session Initiation Protocol) registrations through Internet or with the traditional PSTN line (for instance, in case of an electricity blackout and subsequent loss of power to the router itself).

### Multi-subnets

With the 5-port Gigabit switch on the LAN side provides extremely high speed connectivity for the highest speed local data transfer of any server or local PCs. The tagged VLANs (802.1q) can mark data with a VLAN identifier. This identifier can be carried through an onward Ethernet switch to specific ports. The specific VLAN clients can also pick up this identifier as it is just passed to the LAN. You can set the priorities for LAN-side QoS. You can assign each of VLANs to each of the different IP subnets that the router may also be operating, to provide even more isolation. The said functionality is tag-based Multi-subnet.

On the Wireless-equipped models (Vigor2925n/Vigor2925n-plus/Vigor2925Vn-plus) each of the wireless SSIDs can also be grouped within one of the VLANs.

### Centralized Management

With FW 3.7.3, the embedded Central VPN Management (CVM) will let network administrator register up to 16 remote routers but run concurrent remote management over 8 remote routers.

### AP Management

APM provides the 3-step installation, plug-plug-press, and then wireless clients are able to enjoy surfing internet. Moreover, through the unified user interface of Draytek routers, the status of APs is clear at the first sight.

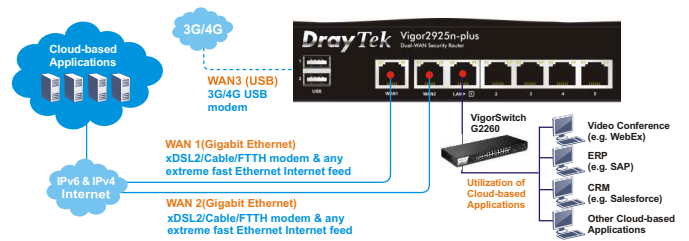
### Flexible Network Management

Like all DrayTek routers, Vigor2925 Series routers support comprehensive network management functions. For example, you can set username/password and directory/file access privilege for individual users as required. There are also routing/network tables, system log, debugging utilities, etc., making network administrators' jobs easy.

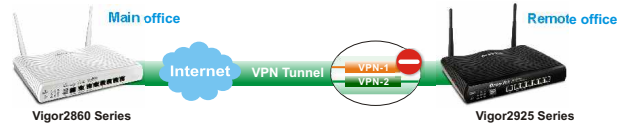
Other management features include SNMP, TR-069 and TR-104. TR-069 can be utilized with DrayTek's VigorACS SI management software to remotely monitor and manage the Vigor2925 Series.

There are many nodes of license for deploying VigorACS SI Central Management. Through "Self-hosted" or "Cloud-based" subscription, the deployed DrayTek Vigor routers can be managed for firmware upgrade, VPN establishment, real-time monitoring and obtain proper customer care.

### Cloud-based Business Applications Utilization



### Secured networking



### VLAN for secure and efficient workgroup management

