

# Vigor2750 Series

## High Speed VDSL2 Router

# DrayTek

www.draytek.com

- Provides ultimate speed on VDSL2 broadband network
- 4 Gigabit LAN switch for triple play deployment
- Support hardware NAT
- Easy-to-use firewall and secure VPN
- Flexible and secure wireless converge (n model)
- VoIP facilities for low cost calls (V model)

The Vigor2750 series are for Very-high-speed digital subscriber line 2 (VDSL2) infrastructure, the cost efficient choice for upgrading existing xDSL-infrastructure when operators and carriers deploy FTTx for Next Generation Network (NGN). Vigor2750 series have one VDSL2 WAN interface and 4 Gigabit LAN switch to ensure data and voice packets transmission to client side devices for bandwidth-intensive applications, such as high-definition video streaming, online gaming, and Internet telephony/access. In addition, Vigor2750 series are future proof devices compliant with official IPv6 (Internet Protocol version 6) ready certified. With IPv6 ready certified, users don't need to worry about running out addresses of current IPv4 due to rapid usage growth of mail server, FTP server, web server, ERP, CSM, surveillance or unified communication for business side and triple play or home automation for home/SOHO side.

### Triple play for home entertainment and SOHO

The VDSL2 WAN port of Vigor2750 series optimizes the throughput performance and flexibility for time-critical console gaming, multimedia streaming and P2P downloading as well as IP telephony. The four Gigabit ethernet (10/100/1000 LAN ports) auto-sensing ports facilitate home networking with bandwidth-intensive applications.

### Wireless coverage & security

The Vigor2750n router with 802.11n standards for coverage can provide either 2.4G or 5G wireless configuration which allows users to choose best fit for their wireless usage. For wireless security, Vigor2750n router is also efficient for wireless network management. For instance, its "Wireless LAN isolation" can easily isolate wireless network for friends or guests. Then, the access rights of various wireless clients can be managed by "MAC address control" and deployed

"WEP/WPA/WPA2" authentication. No need to remember passwords, you simply press "WPS" button on router and then enable users to securely connect laptop or computers to the router!

### 3.5G USB modem as the backup Internet access

DrayTek understands users want to have Internet access at the moment moving into new premise (e.g. home) and keep online even during the downtime of the fixed broadband line. Therefore, DrayTek lets Vigor2750 series have 2 USB ports to connect USB printer and 3.5G USB modem as second WAN for back up if the installation of VDSL2 line is not ready yet or the fixed broadband line drops.

### Cost-effective VoIP

By making the most of your broadband line, the call will be carried to the destination via Internet so you can save on the telephone bill. Combining the Internet Telephony service from the Internet Telephony Service Provider (ITSP), the Vigor2750Vn charter VoIP calls to be made to any legacy phone numbers, even including mobile and long distance numbers!



VDSL2



Firewall



VPN



USB



Wireless



VoIP

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### VDSL2

- Compliant with ITU-T VDSL2 G.993.2
- Compliant with 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 Supported
- UPBO, DPBO Supported
- USO Supported
- Loop Diagnostic Mode
- Compatible with POTS, ISDN
- Configurable SNR, INP, Rate Limit

### IP Version

- IPv4
- IPv6
  - IPv6 Connection Types for WAN Interface: Link Local Only, Static IPv6, DHCPv6, Tunnel Setup Protocol Client (TSPC)
  - IPv6 Connection Types for LAN Interface: DHCPv6, Router Advertisement Daemon (RADVD)
  - Let Neighbor Discovery Protocol Find Out Neighbors on the Same Link
  - Supports the Routing Table for the Protocol of IPv6
  - Provides Diagnose for the Connection Status of TSPC

### Support Hardware NAT

### Switch

- Multi-VLAN WAN
- Port-based VLAN
- Layer-2 (802.1p) QoS
- 802.1q Bridge
- IGMP Snooping
- Bind IP to MAC Address

### WAN Protocol

- DHCP Client
- Static IP
- PPPoE
- PPTP
- L2TP
- 3.5G Connection and Backup

### Firewall

- DMZ Host, Open Port, Port-redirection
- ACL (Access Control List)
- MAC Address Filter
- SPI (Stateful Packet Inspection)
- DoS/DDoS Prevention
- IP Address Anti-spoofing
- Web Syslog
- Logging via Syslog
- E-mail Alert

### Bandwidth Management

- Layer 2/3 QoS by Ethernet Type, VLAN ID, TCP/UDP Port, DSCP, ToS, Tag Priority
- QCL (QoS Control List)
- Bandwidth/Session Limitation
- Data Flow Monitor

### VPN

- 2 VPN Tunnels
- IPSec LAN to LAN, L2TP over IPSec and PPTP Remote Dial in
- Encryption: 3DES, AES
- Authentication: MD5, SHA-1
- IKE Authentication: Pre-shared Key
- DPD
- VPN Pass-through
- PPTP MPPE

### File System

- Support FAT32/FAT16 File System
- Support FTP Function for File Sharing
- Support Samba for File Sharing
- BT Client\*

### Network Management

- Web-based User Interface (HTTP/HTTPS)
- Quick Start Wizard
- CLI (Command Line Interface, Telnet/SSH)
- Configuration Backup/Restore
- Built-in Diagnostic Function
- Firmware Upgrade via WUI
- 2-level User Management (admin/user)
- Administration Access Control
- Logging via Syslog
- Management Session Time out
- SNMP Management MIB-II
- TR-069

### Wireless AP (n model)

- Support Dual Band 2.4/5G Configurable (Not Simultaneous)
- IEEE802.11n Draft 2.0 Compliant
- 64/128-bit WEP, WPA/WPA2
- Hidden SSID
- MAC Address Access Control
- WPS
- Wireless Client List
- Access Point Discovery
- WDS (Wireless Distribution System)
- Wireless LAN Isolation\*
- Wireless Rate-control\*
- Multiple SSID
- WMM

### VoIP (V model)

- Protocol: SIP, RTP/RTCP
- 6 SIP Registrars
- Supplemental Services:
  - Call Hold/Retrieve
  - Call Forwarding (Always, Busy)
  - DND (Do Not Disturb)
  - MWI (Message Waiting Indicator) (RFC-3842)
  - Hotline
- Dial Plan:
  - Phone Book
  - Digit Map

### Network Feature

- DHCP Server
- Dynamic DNS
- NTP Client
- UPnP
- IGMP Proxy V2
- DNS Cache/Proxy
- Static Routing
- RADIUS Proxy

### Hardware Interface

- 4 x 10/100/1000Base-Tx LAN Switch, RJ-45
- 1 x VDSL2 WAN Port, RJ-11
- 2 x FXS, RJ-11 (V Model)
- 3 x Detachable Antennas (n Model)
- 2 x USB Host 2.0 (for Printer, File System and 3.5G Backup)
- 1 x Factory Reset Button
- 1 x Wireless on/off Button (n Model)
- 1 x WPS Button (n Model)

	VoIP	WLAN
Vigor2750 Vn	•	•
Vigor2750 n		•
Vigor2750		

\* Firmware Upgradable

