

# Vigor2710 Series

## ADSL2/2+ Firewall Router

# DrayTek

www.draytek.com

- Built-in DECT-base station(VDn model)
- Built-in ADSL2+ modem for easy Internet access
- 4-port 10/100BaseT Ethernet switch for LAN connection
- Object-based firewall minimizing vulnerability caused internally or externally
- Comprehensive VPN facilities for remote data access
- USB 2.0 for flash drive, printer server and 3.5G backup
- App QoS for the Application Prioritization
- Improved 802.11n wireless speed and coverage (n models)
- VoIP and supplementary services (V models)



DrayTek Vigor2710VDn is an ADSL2+ router by combination with versatile telephony and robust firewall. In addition to rich-featured supplementary services available on two analogue ports, it also serve users with DECT base station for up to 6 cordless telephones. The seamless integration of Internet telephony and existing landline telephony or DECT without turning on the PC provides more mobility and flexibility.

The Vigor2710 series ADSL2/2+ routers support up to 24 (downstream) / 3.5Mbps (upstream) ADSL speed and allow network devices such as computers to share the Internet and to communicate with each other through the built-in LAN switch. Furthermore, there are advanced features supporting secure network management (Firewall & CSM), remote data access (VPN), wireless data communication (IEEE 802.11n standard WLAN), low cost telephone traffic (VoIP), etc., making these routers ideal broadband access devices for SOHO and residential users.

The Vigor2710 series is designed with advanced Stateful Packet Inspection (SPI) to detect malicious packets, such as Denial of Service (DoS) attacks, and prevent these from jeopardizing the internal home or office network thus ensuring upmost network security and reliability.

The Content Security Management (CSM) feature allows control of access to websites based on their content; for instance, websites with obscene or objectionable content can be blocked by the parents to ensure safe browsing by young children in the family. Furthermore, peer-to-peer applications that tend to consume big bandwidth and sessions can be managed easily by ticking the CSM options.

The Vigor2710 series supports secure remote data access, such as inter office, or home-office communication with strong VPN functionality with all major VPN protocols: PPTP, IPSEC, L2TP and L2TP over IPSEC, including advanced DES, 3DES encryption engine and IKE automated key management, etc. Two VPN tunnels are supported simultaneously.

The USB port provides the Vigor2710 series users with extra connectivity further extending the usefulness of the device. For instance, you can connect a USB printer for all LAN and WAN users to share; or you can connect a USB storage drive as a FTP device so files can be shared among the users as required.

The WLAN model of the Vigor2710 series, Vigor2710n and Vigor2710Vn support the extended benefits of the 802.11n including reliable data transmission, secure access methods including WEP/WPA/WPA2/MAC Access Control/SSID, and easy setup for home/office. Furthermore, features such as WLAN Isolation, VLAN over WLAN, Wireless Rate Control, etc. allow easy but powerful control over the WLAN management.

The VoIP model of the Vigor2710 series, Vigor2710Vn support VoIP functions enabling the users to save telephone costs. Additional supplementary services allow the users to handle calls in the same ways as with traditional PABX, including call transfer, call forward, call holding/retrieving, etc. Digit Map function further allows flexible add/subtract/replace of numbers to simplify numbering in homes or offices.

A Line port allows connection to a PSTN line so the user can select either the PSTN or VoIP for the calls, and can access the PSTN line during power black-outs when VoIP are cut off (only available on port2) – a security feature that may save lives.

	VoIP	WLAN	DECT
Vigor2710VDn	•	•	•
Vigor2710Vn	•	•	
Vigor2710n		•	
Vigor2710			



ADSL2+

Firewall

DECT

VPN

Wireless

VoIP

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## ADSL2/2+ Firewall Router

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### ADSL Compliant

- ANSI T1.413 Issue2
- ITU-T G.992.1 G.dmt
- ITU-T G.992.3 ADSL2 G.dmt.bis
- ITU-T G.992.5 ADSL2+
- Annex L (READSL)
- Annex M

### ATM Protocol

- RFC2684 MPoA (Multiple Protocol over AAL5)
- RFC2516 PPPoE (PPP over Ethernet)
- RFC2364 PPPoA (PPP over AAL5)
- PPPoE Pass-through from LAN/WLAN
- Transparent Bridge for MPoA

### Firewall

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

### Content Security Management

- IM/P2P Applications Blocking
- URL Keyword Filter (Whitelist and Blacklist)
- GlobalView Web Content Filter (Powered by **com@touch**®)\*

### VPN

- Up to 2 VPN Tunnels
- Protocols: PPTP, IPSec, L2TP, L2TP over IPSec
- Encryption: AES, MPPE and 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
- 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 Classification
  - 4-level Priority each for Inbound and Outbound Directions
  - Borrowed Bandwidth
- Bandwidth/Session Limitation

### USB

- 3.5G USB Modem as 2<sup>nd</sup> WAN
- Printer Sharing
- File Sharing\*:
  - Support FAT32/FAT16 System\*
  - Support FTP Function for File Sharing\*
  - Support Samba for Windows File Sharing\*

### Network Feature

- IGMP Proxy/Snooping
- DHCP Client, DHCP Relay or DHCP Server
- Dynamic DNS
- NTP Client
- Call Scheduling
- RADIUS Client
- DNS Cache/Proxy
- UPnP
- Routing Protocols:
  - Static Routing
  - RIP v2

### Network Management

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

### Wireless AP

- IEEE802.11n Compliant
- Access Point Discovery
- Wireless Distribution System (WDS)
- Wireless LAN Isolation
- MAC Address Access Control
- Wireless Protection System (WPS)
- Wi-fi Multimedia (WMM)
- Wireless Client List
- Wireless Rate Control
- 64/128-bit WEP
- WPA /WPA2
- Hidden SSID
- Multiple SSID
- WiFi Certificate

### Hardware Interface

- 4 x 10/100M LAN Switch, RJ-45
- 1 x ADSL2/2+ Port, RJ-11
- 2 x FXS, RJ-11 (Vn model)  
1 x FXS, RJ-11 (VDn model)
- 1 x Line, RJ-11 (V models)
- 3 x Detachable Antennas (n models)
- 1 x Factory Reset Button
- 1 x Wireless on/off Button (n models)
- 1 x WPS Button (n models)
- 1 x USB Host 2.0 (for Printer/3.5G USB Modem/File Sharing\*)

### VoIP

- Protocols: SIP, RTP/RTCP
- 6 SIP Registrars
- Automatic Gain Control
- Jitter Buffer (180ms)
- Codec:
  - G.711 A/u Law • G.723.1 • G.726
  - G.729 A/B • iLBC\* • VAD/CNG
  - G.168 Line Echo-cancellation
- DTMF Relay:
  - In Band • Out Band (RFC-2833) • SIP Info
- FAX/Modem Support:
  - G.711 Pass-through • T.38 for FAX\*
- Supplementary Services:
  - Call Hold/Retrieve • Call Waiting
  - Call Waiting with Caller ID • Call Transfer
  - Call Forwarding (Always, Busy or No Answer)
  - DND (Do Not Disturb)
  - MWI (Message Waiting Indicator; RFC-3842)
  - Hotline
  - Three-way Conference Call\*
  - Intercom

### DECT Functionalities

- Pairing up to 6 Handsets
- Simultaneous Active 4 Calls
- GAP/CAT-iq\* Compliance
- Paging Function

\* Firmware upgradable

