

# Vigor2710 Series

## ADSL2/2+ Firewall Router

# DrayTek

www.draytek.com

- Built-in ADSL2+ Modem for Easy Internet Access
- 4-Port 10/100BaseT Ethernet Switch for PC/Mac Connection
- Object-based Firewall Preventing External Attacks
- USB 2.0 for Different Application Scenarios
- Comprehensive VPN Facilities Provide Remote Data Access
- 802.11n Improves the Wireless Speed and Coverage (n & Vn only)
- VoIP Facilities for Low Cost calls (Vn only)

The Vigor2710 series is highly integrated ADSL2/2+ routers with VPN capability targeting SOHO (Small Office and Home Office) and residential broadband access requirement. These integrated network access devices not only offer rich functionality with up to 24Mbps bandwidth in downstream but also a built-in VoIP port to provide a cost-saving alternative for calls. The integrated economical design makes the ideal balance of ease of use and secure network management.

Vigor2710n and Vigor2710Vn comply with 802.11n Draft-n standards. The wireless LAN isolation, Mac address control, and WEP/WPA/WPA2 encryption let you easily set up Wireless network for your home. Vigor2710Vn has two analogue phone connectors and one line port.

You can attach USB storage device to USB port of Vigor2710 series to share files. Or, you can use USB printer by connecting it to USB port.

Besides powerful firewall protection against malicious Denial of Service (DoS) attacks, the Vigor2710 series is designed with more advanced security feature such as Stateful Packet Inspection (SPI) to offer network reliability by detecting attacks and prohibits malicious penetrating packets from entering internal network.

The light CSM (content security management) can prevent family from connecting to Web sites that contain illegal or objectionable content. The use of bandwidth/session consuming peer-to-peer (P2P) applications can be properly managed by embedded CSM.

Furthermore, embedded with VPN support for confidential remote access, the Vigor2710 series is equipped with powerful DES, 3DES encryption engine and automated key management via IKE to easily create 2 simultaneous VPN tunnels.

Combining the Internet telephony service from Internet Telephony Service Provider (ITSP), the Vigor2710Vn charter VoIP calls to be made to any legacy phone numbers, even including mobile and long distance numbers. By making the most of your ADSL line, the call will be carried to the destination via Internet so you can save on the telephone bill. When encountering Internet failures, the automatic fail-over mechanism of Vigor2710Vn will intelligently redirect calls via legacy telephone line. Also the Vigor2710Vn will bypass all calls to telephone line during power cuts to ensure an outgoing life line.

### 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 (RADSL)
- 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-Redirection and Open Port
- Policy-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

### USB

- Printer Sharing
- File System :
  - Support FAT32/FAT16 File System
  - Support FTP Function for File Sharing
  - Support Samba for Windows File Sharing\*



ADSL2+



Firewall



USB



VPN



Wireless



VoIP

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### Network Feature

- IGMP Proxy/Snooping
- DHCP Client/Relay/Server
- Dynamic DNS
- NTP Client
- Call Scheduling
- RADIUS Client
- DNS Cache/Proxy
- UPnP
- Routing Protocol:
  - Static Routing
  - RIP V2

### VPN

- Up to 2 VPN Tunnels
- Protocol: 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:
  - 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
- Bandwidth/Session Limitation

### Content Security Management

- IM/P2P Applications Blocking
- URL Keyword Filter (White List and Black List)
- Web Content Filter

### 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 Management

### Wireless AP

- IEEE802.11n Draft 2.0 Compliant
- Wireless Client List
- Access Point Discovery
- WDS (Wireless Distribution System)
- Wireless LAN Isolation
- Wireless Rate Control
- 64 /128-bit WEP
- WPA /WPA2
- Hidden SSID
- MAC Address Access Control
- WPS
- Multiple SSID
- WMM

### VoIP

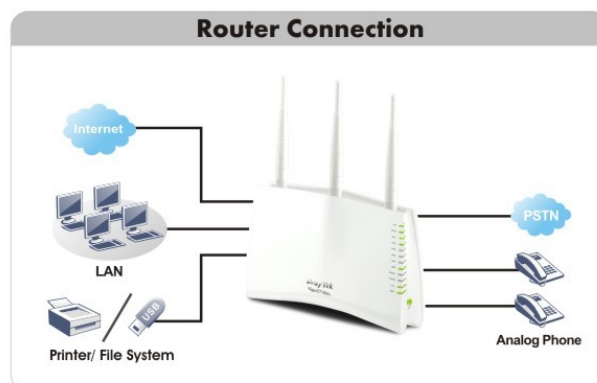
- Protocol: SIP, RTP/RTCP
- 6 SIP Registrars
- Automatic Gain Control
- Jitter Buffer (180ms)
- Codec Features:
  - G.711 A /  $\mu$  Law
  - G.723.1
  - G.726
  - G.729 A/B
  - iLBC\*
  - VAD/CNG
  - G.168 Line Echo-Cancellation
- DTMF Relay:
  - In Band
  - Out Band (RFC-2833)
  - SIP Info
- FAX/Modem Support:
  - G. 711 Pass-Through
  - T. 38 for FAX\*
- Supplemental Services:
  - Call Hold/Retrieve
  - Call Waiting
  - Call Waiting with Caller ID
  - Call Transfer
  - Call Forwarding (Always, Busy and No Answer)
  - DND (Do Not Disturb)
  - Call Barring (Incoming /Outgoing)
  - MWI (Message Waiting Indicator) (RFC-3842)
  - Hotline
  - Three-Way Conference Call\*

### Hardware Interface

- 4 x 10/100 M LAN Switch, RJ-45
- 1 x ADSL2/2+ Port, RJ-11
- 2 x FXS, RJ-11 (for Vn Model)
- 1 x Line, RJ-11 (for Vn Model)
- 3 x Detachable Antenna (for n/Vn Model)
- 1 x Factory Reset Button
- 1 x Wireless on/off Button (for n/Vn Model)
- 1 x WPS Button (for n/Vn Model)
- 1 x USB Host 2.0 (for Printer and File System\*)

### Model Comparison Chart

	VoIP	Wireless AP
Vigor2710	—	—
Vigor2710n	—	●
Vigor2710Vn	●	●



\* Firmware Upgradable