

## Vigor2110 Series Broadband Firewall Router

- Ethernet WAN Port for Internet access
- Can use 3G 'Dongle' For Internet access
- 4-port 10/100BaseT Ethernet switch for LAN connection
- Object-based firewall protecting your network
- VPN facilities for branch-office or Teleworker access
- USB 2.0 for flash drive (NAS) printer or 3G connection
- Latest 802.11n standard WiFi (n models)
- Twin Voice-over-IP (VoIP) phone ports (V models)

Firewall

VoIP

WiFi

Web content Filtering

NAS / 3G

The DrayTek Vigor2110Vn is a broadband router combined with 802.11n WiFi Access Point, Voice-over-IP facilities providing twin phone ports and comprehensive web content control (Web Content Filtering).

As an alternative to the cable connection, the Vigor2110 can instead make use of a 3G USB modem, available from most cellular companies and connect to the Internet via 3G instead of cable; ideal where you can't get cabled broadband or where 3G offers better value.

The VoIP facility enables you to connect two separate phones and use them to make and receive calls across the Internet for free, or to/from regular phone destinations worldwide at low cost using an ITSP (such as DrayTEL). It's like have two extra phone lines for no extra rental. The Vigor2110Vn integrates your regular analogue phone line too so that with the same phones you can also make or receive calls from your regular line.

Advanced features include network security (Firewall & CSM), remote data access (VPN) and secure wireless communication, making the Vigor 2110 series the ideal broadband access devices for SoHo users.

The Vigor2110 series features 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.

Content Security Management (CSM) allows control of access to websites; for instance websites with adult or objectionable content can be blocked by parents to ensure safe browsing by children in the home. Peer-to-peer applications that can consume large bandwidth and sessions can also be blocked.

The Vigor2110 series supports secure remote data access by being able to dial out to your corporate HQ using secure tunnel VPNs. VPN functionality supports all major VPN protocols: PPTP, IPSEC, L2TP and L2TP over IPSEC, including advanced DES, 3DES encryption engine and IKE automated key management, etc. Two outgoing VPN tunnels are supported simultaneously.

The USB also port allow connection of a USB printer for all LAN users to share or you can connect a USB storage drive so files can be shared locally among the users as or accessed remotely from anywhere on the Internet.

The Vigor 2110 Series supports the extended benefits of 802.11n WiFi including reliable data transmission, longer range, secure access methods including WEP/WPA/WPA2/MAC Access Control and easy setup. Features such as WLAN isolation, VLAN, Wireless Rate Control, etc. allow easy but powerful control.

For the VoIP phone facility, a 'line' port allows connection to the regular phone line so that too is accessible for incoming or outgoing calls, and in the event of a power cut, one phone automatically fails over to that.

	VoIP	WLAN
Vigor2110 Vn	•	•
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## Vigor2110 Series

### Broadband Firewall Router

[www.draytek.co.uk](http://www.draytek.co.uk)

#### WAN Protocols

- DHCP Client
- Static IP
- PPPoE
- PPTP
- L2TP\*
- BPA

#### Firewall

- NAT, DMZ Host,
- Port-redirect 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 (White/Blacklist)
- GlobalView Web Content Filter (Subject to subscription)

#### VPN

- Up to 2 Outgoing (dial-out) VPN Tunnels
- 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)
- DHCP over IPSec
- Dead Peer Detection (DPD)
- VPN Pass-through

#### USB

- Printer Sharing
- 3G Dongle connectivity
  - Uses 3G USB modem for connection to Internet instead of cable. Check for latest supported/compatible modems
- File Sharing:
  - Network Attached Storage (NAS) facility
  - Uses regular USB memory key or drive
  - Support for FAT32/FAT16 file System
  - Accessible by FTP or standard
  - Windows, Mac, Linux operating systems
  - Samba access for Windows File Sharing
  - User account control for NAS access
  - Accessible locally (LAN) or remotely (from anywhere on the Internet by FTP)

#### Network Feature

- IGMP Proxy/Snooping
- DHCP Server
- Dynamic DNS Client
- NTP Client
- Call/CSM Scheduling
- DNS Cache/Proxy
- UPnP

#### Network Management

- Web-based User Interface HTTP/HTTPS
- CLI (Command Line Interface) Telnet/SSH)
- Admin/User Admin Access
- Configuration Backup/Restore
- Built-in Diagnostic Functions
- Firmware Upgrade via TFTP/FTP/WUI/TR-069
- Syslog logging
- SNMP Management MIB-II
- TR-069

#### Wireless AP ('n' models only)

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

#### Hardware Interfaces

- 4 x 10/100M LAN Switch, RJ-45
- 1 x 10/100M WAN Port, RJ-45
- 2 x FXS, RJ-11 (Vn model)
- 1 x Line, RJ-11 (Vn model)
- 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/File Sharing)

#### VoIP ('V' model only)

- Protocols: SIP, RTP/RTCP
- 6 Simultaneous SIP Registrars (Trunks)
- Automatic Gain Control
- Jitter Buffer (180ms)
- Codec:
  - G.711 A/u Law • G.723.1 • G.726
  - G.729 A/B • 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 Transfer
  - Call Forwarding (Always, Busy or No Answer)
  - DND (Do Not Disturb)
  - MWI (Message Waiting Indicator; RFC-3842)
  - Hotline
  - Three-way Conference Call\*
  - Intercom
- QoS
  - Guaranteed Bandwidth for VoIP

\* Firmware upgradable

#### Vigor 2110 Series Connectivity

