Vigor2110 Series

Broadband Firewall Router

DrayTek

www.draytek.com

- 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
- App QoS for the Application Prioritization
- 802.11n Improves the Wireless Speed and Coverage (n & Vn only)
- VoIP Facilities for Low Cost Calls (Vn only)

bg WiFi n CERTIFIED®

The Vigor2110 series is a user-friendly broadband router with advanced bandwidth control mechanism and up to 2 VPN tunnels for secured remote access. Vigor2110n and Vigor2110Vn comply with 802.11n standards. The wireless LAN isolation, MAC address control, and WEP/WPA/WPA2 encryption let you easily set up Wireless network for your home. Vigor2110Vn has two analogue phone connectors and one line port.

The Vigor2110's firewall provides the ideal balance of ease of use and security to help protect your network. The CSM (content security management) can prevent family from the connection to Web sites that contain illegal or objectionable content. The use of bandwidth consuming Peer-to-Peer (P2P) applications can be properly managed by embedded CSM.

The Vigor2110 takes care of all your teleworking needs, with support of 2 simultaneous VPN connection. You can establish remote access or LAN-to-LAN session by utilizing IPSec/PPTP/L2TP/L2TP over IPSec with AES/DES/3DES for encryption and MD5/SHA-1 for authentication.

If you need cost-saving fax receiving/sending, you can connect a fax machine to one of the analogue phone connectors which are for conventional analogue phone and fax machine.

The POTS life-line facility provides for automatic fail-over to your regular phone line in the event of power or Internet failure, as well as letting you use the same phone to access either your regular phone line or VoIP facility when required.

The Vigor2110's VoIP facilities can provide a cost-saving alternative to having an additional fixed line. By using an Internet Telephony Service Provider (ITSP), you can also make calls to any regular phone line too, including mobiles, as well as receive calls from anyone. The call is carried to your phone via your Internet connection so your regular phone line remains free for other people or calls.

The visual design, with its stylish pleasing lines provide looks good enough to fit into any environment. The Vigor2110 series allow you to make the jump from dial-up to broadband. It also provides the value added features of VoIP to help you optimize the benefits of broadband line.

You can attach USB storage device to USB port of Vigor2110 series to share files. Or, you can use USB printer by connecting it to USB port.

LAN

- Port-Based VLAN
- 4-Port 10/100 M Ethernet Switch

Firewall

- Multi-NAT, DMZ Host, Port-redirection 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

USB

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

WAN Protocol

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

Firewall   USB   VPN   MIMO 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 (Whitelist and Blacklist)
- 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 Timeout
- TR-069
- 2 Level Management

Wireless AP

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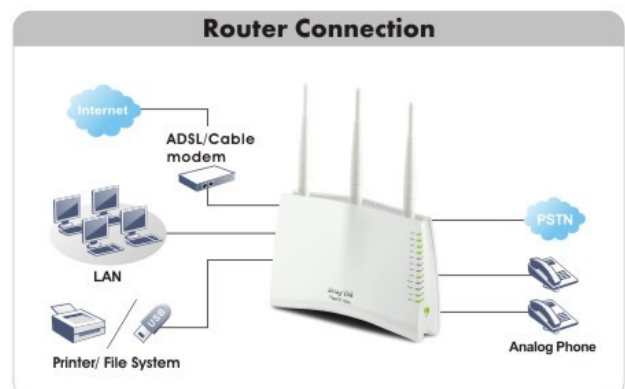- WMM (Wi-Fi Multimedia)

VoIP

- Protocol: SIP, RTP/RTCP
- 6 SIP Registrars
- Automatic Gain Control
- Jitter Buffer (180ms)
- Codec Features :
  - G.711 A / μ 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 10/100 M WAN Ports, RJ-45
- 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
Vigor2110	—	—
Vigor2110n	—	◉
Vigor2110Vn	◉	◉

Router Connection

*Firmware Upgradable

CE ① FC