

## Vigor2132 Series

### Security Giga Router

- Ideal for home and teleworkers using super-fast broadband
- Gigabit WAN for FTTx (Ethernet or SFP)
- Robust Firewall & Security for Internet activities
- Two VPN connections for remote access and LAN-to-LAN
- Bandwidth Management with intelligent VoIP QoS



The Fiber deployment lets businesses and common people have fatter pipe of accessing global network. More Knowledge. More Opportunities. The DrayTek Vigor2132FVn Fiber Router and Vigor2132Vac/ac broadband router are developed in compliance with the Super-fast broadband architecture and customized for users which already have Fiber to the building (FTTB) or Fiber to the home (FTTH). The bandwidth-consumed multimedia streaming and crystal-clear VoIP functionalities are realized through the Vigor2132 series' up to-1000Mbps (1 Gigabit) WAN throughput and advanced bandwidth management. You can apply the rules of Session Limit, Bandwidth Limit, Port Rate Control, QoS control list, Ports Priority to different traffic type for better efficiency.

In addition, it supports the worldwide standard TR069 management and customized triple play while most fiber routers could not have the above distinguished features. The Vigor2132FVn is equipped with SFP port for fiber connection. The Vigor2132Vac/ac is equipped with Gigabit Ethernet WAN for super-fast broadband.

#### Triple play for home entertainment and SOHO

The entertainment applications running over the home network infrastructure and home-based productivity for SOHO are growing while the broadband bandwidth is increasingly available within affordable budget along with deployment of FTTx. The fiber WAN port of Vigor2132FVn and Gigabit Ethernet WAN port of Vigor2132Vac/ac optimize 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 width-intensive applications! Through the combination of Gigabit WAN and Gigabit LAN ports to optimize the bandwidth usage, the downstream data and voice packets for Triple play can be flawlessly displayed in endpoint devices, such as HDTV, desktop/laptop or analog/IP phone.

#### Wireless coverage & security

There is IEEE 802.11ac WLAN on Vigor2132Vac and Vigor2132ac. The Vigor2132FVn supports 2.4GHz WLAN.

For wireless security, Vigor2132 series routers are 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!

#### Bandwidth management with intelligent VoIP QoS

Small offices normally choose the affordable Internet plan instead of increasing the bandwidth over 100Mbps. Hence, how to reserve and prioritize bandwidth for the essential applications is critical to operation. The Vigor2132 series routers have VoIP QoS to guarantee the priority for VoIP calls automatically once VoIP calls was detected. In addition to QoS, you can manage the bandwidth consumption of every employee based on the individual IP via Session Limit and Bandwidth Limit. The Smart Bandwidth Limit allows you to only set bandwidth reservation for PCs operated essential tasks. Other PCs have the session limitation to prevent the inappropriate usages (e.g. P2P download). Once exceeding the limitation, their speed rates will be downgrade to your customized numbers. You can guarantee all subscribed bandwidth to have proper usage.

#### Cost-effective VoIP

What's further utilization of broadband access for your Vigor2132V series routers? 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 Vigor2132V series charter VoIP calls to be made to any legacy phone numbers, even including mobile and long distance numbers!

### WAN Feature

- Ethernet WAN
  - IPv4 - DHCP Client, Static IP, PPPoE, PPTP, L2TP, 802.1q Multi-VLAN Tagging
  - IPv6 - Tunnel Mode: TSPC, AICCU, 6rd, Static 6in4
- Dual Stack: DHCPv6 Client, Static IPv6, PPP

### Network Feature

- DHCP Client/Relay/Server
- IGMP Snooping/Proxy V2 and V3
- Dynamic DNS
- NTP Client
- Call Scheduling
- RADIUS Client
- DNS Cache/Proxy and LAN DNS
- UPnP 30 sessions
- Port-based/Tag-based VLAN (802.1q)
- Routing Protocol:
  - Static Routing
  - RIP V2

### VPN

- Up to 2 VPN Tunnels
- Protocol : PPTP, IPsec, L2TP, L2TP over IPsec
- Encryption : MPPE and Hardware-based AES/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
- IPsec NAT-traversal (NAT-T)
- Dead Peer Detection (DPD)
- VPN Pass-through
- VPN Wizard
- mOTP
- VPN Backup Mode

### 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/HTTP/TR-069
- Logging via Syslog
- SNMP Management MIB-II (v2/v3)
- Management Session Time Out
- 2-level Management (Admin/User Mode)
- TR-069/TR-104

### USB

- Printer Sharing
- File System :
  - Support FAT32 File System
  - Support FTP Function for File Sharing

### Firewall

- Multi-NAT, DMZ Host, Port-redirection and Open Port
- Object-based Firewall, Object IPv6, Group IPv6
- MAC Address Filter
- SPI (Stateful Packet Inspection) (Flow Track)
- DoS/DDoS Prevention
- IP Address Anti-spoofing
- E-mail Alert and Logging via Syslog
- Bind IP to MAC Address
- Time Schedule Control

### 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
- Session Limitation
- Bandwidth Limitation
- Layer-2 (802.1p) and Layer-3 (TOS/DSCP) QoS Mapping

### Wireless AP (n/ac Model)

- 802.11ac Wireless Access Point (300Mbps@ 2.4GHz + 1300Mbps @ 5GHz 11ac) (ac Model)
- 802.11n with 2.4GHz (n Model)
- Wireless Client List
- Wireless LAN Isolation
- 64/128-bit WEP
- WPA/WPA2
- Wireless Wizard
- Hidden SSID
- WPS
- MAC Address Access Control
- Access Point Discovery
- WDS (Wireless Distribution System)
- Multiple SSID
- Wireless Rate-control
- IEEE802.11e: WMM (Wi-Fi Multimedia)
- SSID VLAN Grouping with LAN Port (Port-based VLAN)

### VoIP (V Model)

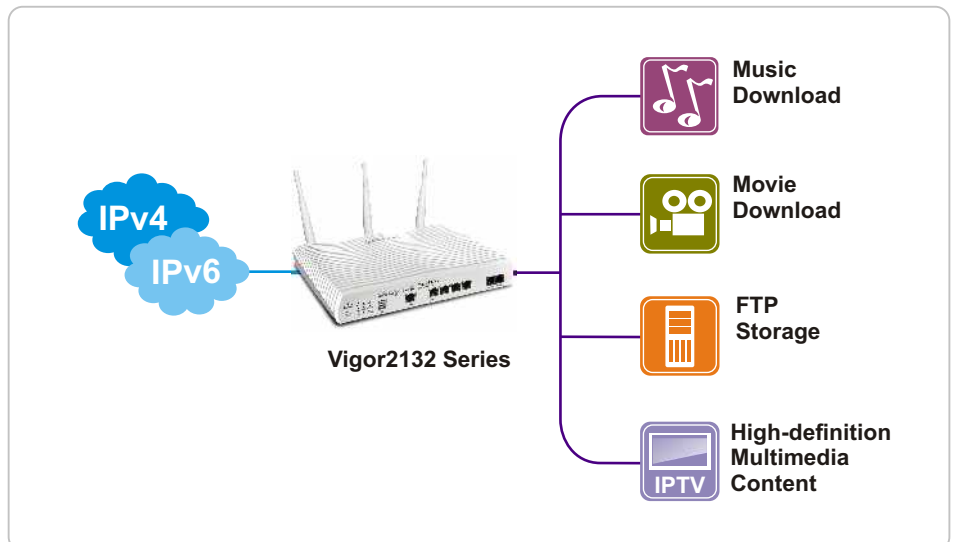
- Protocol: SIP, RTP/RTCP
- 12 SIP Registrars
- G.168 Line Echo-cancellation
- Jitter Buffer
- Voice codec:
  - G.711
  - G.723.1
  - G.726
  - G.729 A/B
  - VAD/CNG
- DTMF Tone :
  - Inband
  - Outband (RFC-2833)
  - SIP Info
- FAX/Modem Support :
  - Tone Detection
  - G.711 Pass-through
- Supplemental Services :
  - Call Hold/Retrieve/Waiting
  - Call Waiting with Caller ID
  - Call Transfer
  - Call Forwarding (Always, Busy and No Answer)
  - Call Barring (Incoming/Outgoing)
  - DND (Do Not Disturb)
  - MWI (Message Waiting Indicator) (RFC-3842)
  - Hotline
- Dial Plan :
  - Phone Book
  - Digit Map
  - Call Barring
  - Regional

### CSM (Content Security Management)

- IM/P2P Application
- GlobalView Web Content Filter (Powered by **CYREN**)
- URL Content Filter :
  - URL Keyword Blocking (Whitelist and Blacklist)
  - Java Applet, Cookies, Active X, Compressed, Executable, Multimedia File Blocking
  - Excepting Subnets

### Hardware Interface

- 4 x 10/100/1000Base-Tx LAN Switch, RJ-45
- 1 x 10/100/1000 WAN Port, RJ-45, 1 x 10/100/1000 WAN Port, SFP Slot (F Model)
- 2 x FXS, RJ-11 (V Model)
- 2 x Detachable Antennas (n Model), 3 x Detachable Antennas (ac Model)
- 2 x USB Host 2.0
- 1 x Factory Reset Button
- 1 x Wireless on/off/WPS Button



\* Firmware Upgradable

	VoIP	WLAN
Vigor2132 FVn	●	2.4GHz
Vigor2132 Vac	●	11ac
Vigor2132 ac		11ac