DrayTek

Vigor2133 Series
Gigabit Broadband Router

- Ideal for home and teleworkers using super-fast broadband
- 1 Gigabit WAN port and 4 Gigabit LAN ports
- Robust Firewall & Security for Internet activities
- 2 VPN Tunnels (including 2 SSL VPN tunnels)
- Bandwidth Management with intelligent VoIP QoS

The Vigor2133 series broadband router are developed in compliance with the Super-fast broadband architecture. The bandwidth-consumed multimedia streaming is realized through the Vigor2133 series's gigabit WAN 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.

Triple play for home entertainment and SOHO
The entertainment applications running over the home network infrastructure and home-based productivity for SOHO are growing. The Gigabit Ethernet WAN ports 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
The Vigor2133 series give you the time scheduling function to save your energy bill plus reducing the carbon footprint. For wireless security, Vigor2133 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!
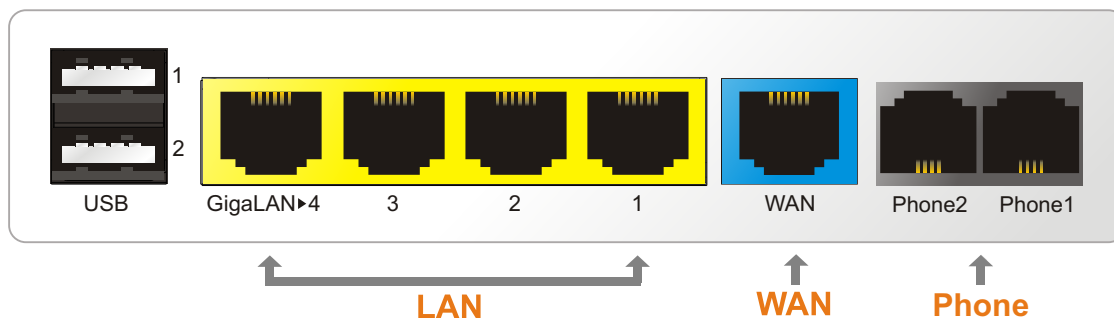
Bandwidth management with intelligent VoIP QoS
Small offices normally choose the affordable Internet plan instead of increasing the bandwidth over 100Mbps. Hence, how to reserve and prioritize bandwidth for the essential applications is critical to operation. The Vigor2133 series routers have VoIP QoS 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.

Working with DrayTek TR-069 Central Management
For IT managed service providers, the self-host/cloud-host TR-069 VigorACS SI can facilitate deployment and management of Vigor2133 series.

```
[USB]  [GigaLAN►4] [3] [2] [1]   [WAN]   [Phone2] [Phone1]
1
2
USB    GigaLAN►4   3   2   1      WAN     Phone2   Phone1
```

LAN   **WAN**   **Phone**

Connectivity

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: PPP, DHCPv6 Client, Static IPv6

Ethernet LAN
- IPv4/IPv6 DHCP Server
- Static Routing/RIP
- Multiple Subnet
- Port/Tag-based VLAN

USB
- 3G/4G Modem as WAN3/Printer Server /File Sharing/Temperature Sensor

WLAN (n/ac model)

- Multiple SSID
- Security (Open, 64/128-bit WEP, WPA/WPA2, 802.1x)
- Hidden SSID
- Wireless Rate Control by SSID
- Wireless VLAN
- Wireless LAN Isolation
- MAC Address Access Control
- Access Point Discovery
- Wireless Client List
- WDS (Wireless Distribution System)
- WMM (Wi-Fi Multimedia)

VPN

- 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
- Support 2 SSL VPN Tunnels

Management

System Maintenance
- HTTP/HTTPS with 2-level Management (Admin/User)
- Logging via Syslog
- SNMP Management MIB-II (v2/v3)
- CLI (Command Line Interface, Telnet/SSH)
- Administration Access Control
- Web-based Diagnostic Functionality
- Firmware Upgrade via TFTP/HTTP/TR-069
- CWMP Support (TR-069/TR-104)
- LAN Port Monitoring

Network Management
- Bandwidth Management by session/bandwidth
- User Management by Time/Data Quota
- Dynamic DNS
- IGMP Snooping/Proxy v2 and v3
- QoS (DSCP/Class-based/4-level priority)
- Guarantee Bandwidth for VoIP
- Support Smart Monitor

Security

- 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
- Content Security (IM/P2P, URL, Keywords, Cookies,...)

VoIP (V model)

- Protocol: SIP, RTP/RTCP
- VoIP Wizard
- 6 SIP Registrars
- G.168 line echo-cancellation
- VoIP Status
- Voice codec (G.711 a/u law)
- DTMF Tone (In band/Out band with RFC-2833/SIP Info
- FAX/Modem Support:
  · G.711 Pass-Through
- Supplemental Services:
  · Call Hold/Retrieve
  · Call Waiting
  · Call Transfer
  · Call Forwarding (Always, Busy, No Answer)
  · CLIR (Calling Line Identification Restriction)
  · Call Barring (Incoming / Outgoing)
  · DND (Do Not Disturb)
  · MWI (Message Waiting Indicator) (RFC-3842)
  · Hotline
  · Intercom
- Dial Plan (Digit Map, Call Barring, Regional)

Hardware Interface

- 1 x 1000Base-TX WAN, RJ-45
  1 x 100/1000M Fiber WAN, SFP Slot (F model)
- 4 x 10/100/1000Base-TX LAN, RJ-45
- 2 x Detachable Antennas (n/ac model)
- 2 x FXS, RJ-11 (V model)
- 2 x USB Host 2.0
- 1 x Factory Reset Button
- 1 x Wireless On/Off/ WPS Button (n/ac model)

	WLAN			
	2.4 GHz	5 GHz	VoIP	Fiber
Vigor2133 Fvac	●	●	●	●
Vigor2133 FVn	●		●	●
Vigor2133 Vac	●	●	●	
Vigor2133 ac	●	●		
Vigor2133 n	●			
Vigor2133				