DrayTek

VigorBX 2000

IPPBX Firewall Router

- 1 x ADSL/VDSL + 1x Gigabit Ethernet WAN
- 2 x FXO
- 50 SIP extension
- 12 SIP trunk for ITSP registration
- 8 custom trunk for ATA gateway
- 32 PPTP/L2TP/IPsec and 16 SSL VPN tunnels
- Intelligent VoIP call QoS

VoIP telephony is a convenient and inexpensive way to provide your business with multiple phone lines, but rolling services of this sort out to an entire office typically requires IP PBX call routing hardware and software that is often expensive to buy, complex to configure, or both. VigorBX 2000 is a combined router and IP PBX, which means that a single piece of equipment can handle your telephony system as well as your computer network, WAN connection, and Virtual Private Network. DrayTek VigorBX 2000 is ideal for a small office. It's a compact and flexible IP telephony system, it's simple to set up and did everything you will asked of it. Call quality is excellent and you had no problem using it with the usual VoIP phones and softphones. The VigorBX 2000 capabilities as a router are as simple and effective as its IP PBX features.

Multi-task USB functionalities
Through mobility, brought by cellular networks, you can connect two 3.5G/4G USB mobiles to 2.0 version USB ports on VigorBX 2000. This can be a backup broadband connection if the primary fixed line drops. You can connect USB disk or hard-drive to USB port for memory storage and file sharing. The VigorBX 2000 provides you with FTP access file uploading/ downloading, which can be used from the local LAN or from anywhere on the Internet. The access can be using "username and password" or 'public'. Each of them can have their own directories and/or file access rights. The VDSL2/ADSL2+ interface, Gigabit Ethernet interface and USB mobiles can be used either for WAN-backup or load balancing.

Secured networking
DrayTek VigorBX 2000 inherited versatile firewall mechanism from previous Vigor series routers. The object-based design used in SPI (Stateful Packet Inspection) firewall allows users to set firewall policy with ease. Object-based firewall is flexible and allows your network be safe. DoS/DDoS prevention and URL/Web content filter strengthen the security outside and control inside. The enterprise-level CSM (Content Security Management) enables users to control and manage IM(Instant Messenger) and P2P (Peer-to-Peer) applications more efficiently. The CSM hence prevents inappropriate content from distracting employees and impeding productivity. Furthermore, the CSM can keep office networks threat-free and available.
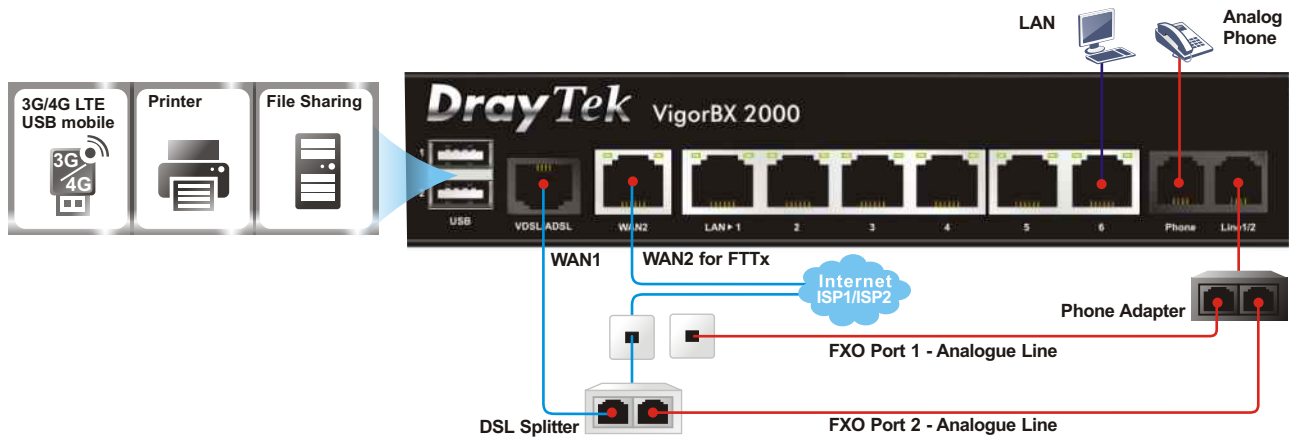
The "User Management" implemented on your router firmware can allow you to prevent any computer from accessing your Internet connection without a username or password. You can set scheduler or maximum usage time to your employees within office network. The user accounts can also be restricted by any other aspect of the firewall rule on a user-by-user basis.

Flexible Network Management
Like all DrayTek routers, VigorBX 2000 supports comprehensive network management functions. For example, you can set username/password and directory/file access privilege for individual users as required. There are also routing/network tables, system log, debugging utilities, etc., making network administrators' jobs easy.

Other management features include SNMP, TR-069 and TR-104. TR-069 can be utilized with DrayTek's VigorACS SI management software to remotely monitor and manage the VigorBX 2000.

LAN — Analog Phone

3G/4G LTE USB mobile | Printer | File Sharing

DrayTek VigorBX 2000

USB — VDSL/ADSL — WAN2 — LAN▶1 — 2 — 3 — 4 — 5 — 6 — Phone — Line 1/2

WAN1 — WAN2 for FTTx — Internet ISP1/ISP2 — Phone Adapter

FXO Port 1 - Analogue Line

DSL Splitter — FXO Port 2 - Analogue Line

IP PBX

- 50 Extensions
- Trunks
  - SIP Trunk 12
    - Time Budget(per day)
  - Custom Trunk 8
- Dial Plan
  - Digit Map 60
  - Speed Dial 100
  - Call Barring 20
    - Block Anonymous
    - Block Unknown Domain
- SIP Proxy Setting
  - Enable ACL(White List for WAN IP)
  - Automatic Block Extension for Wrong Password
- PBX Service Number
  - Call Pickup
- Hunt Group 20
- Voice Mail by Email
  - Save Message/Wav File to USB Disk
- Office Hours for Auto Attendant
- Customer Survey
- PBX Status
  - Call Detail Records (1000)
  - Fax Detail Records (1000)
  - Extension Monitor (50)
- DTMF Detection
- Hotline Number to Internet
- Hotline Number to PBX / PSTN
- Manual Disconnection
- FXO Auto Disconnection

VPN

- Up to 32 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
- Supports 16 SSL VPN Tunnels
- VPN Trunk: VPN Backup and Load Balance

Connectivity

VDSL2/ADSL2/2+
- DHCP Client
- Static IP
- PPPoE/PPPoA/MPoA/PPTP/L2TP
- 802.1p/q Multi-VLAN Tagging

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
- WAN Connection Failover
- WAN Budgets
- Load Balance/Route Policy

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

USB
- 3.5G/4G-LTE(PPP, DHCP) as WAN3/WAN4 Printer Server/File Sharing

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/FTP/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
- LAN DNS and DNS Proxy/Cache
- Dynamic DNS
- IGMP Snooping/Proxy v2 and v3
- QoS (DSCP/Class-based/4-level Priority)
- Guarantee Bandwidth for VoIP
- Support Smart Monitor (Up to 50 nodes)

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
- Time Schedule Control
- Firewall v3
- User Management

Hardware Interface

- 1 x ADSL2/VDSL2 Port (WAN-1), RJ-11 for Annex A/RJ-45 for Annex B
- 1 x 1000Base-TX, RJ-45 (WAN-2)
- 6 x 10/100/1000Base-TX LAN, RJ-45
- 1 x FXS and 2 x FXO, RJ11
- 2 x USB Host 2.0
- 1 x Factory Reset Button