

Vigor3300 Series

Enterprise Multiservice Security Router

The Vigor 3300 series of routers deliver enterprise-level security router services for small and medium sized companies. These products combine Virtual Private Network (VPN) enhancement with robust firewall, web content filtering, bandwidth guarantee, management and secure administration capabilities to meet the increasing reliable, security demand for broadband business services.

The enterprise-level security router provides further IPSec VPN to achieve the objectives of high scalable, confidential e-business, branch office interconnection and remote access applications. By using hardware-based accelerator of DES/3DES/AES/HMAC-SHA-1/HMAC-MD5 encryption, Vigor 3300 series of routers support low latency and high performance IPSec VPN for business application.

Robust firewall features provide rich security services including stateful packet inspection, access control, packet filtering, securing against intruders/attackers and Denial-of-Service (DoS). Integrated content filtering function can block inappropriate web contents for child protection at home or on campus, as well as monitor and avoid prohibited web contents for employees.

The Vigor3300V provide optional 4/8-port integrated VoIP module to connect to PBX or phone to minimize the voice operation cost. It provides similar voice quality, reliability as the traditional telephone service and security conversion to business users.

The QoS(Quality-of-Service) function provide better services for selected network traffic over various technologies. The primary goal of QoS is to provide priority including dedicated bandwidth, controlled jitter and latency, and improve packet-loss characteristics. At the same time, these products ensure that providing priority for one or more flows does not make other flows fail.

The load balancing and high availability applications improve the network performance, scalability, reliability in Internet network and infrastructure utilization.

The SNMP-based of Element Management System (EMS) is the management software offers an easy way to remotely set up configurations, update system status, display alarm events, monitor system behaviors, perform diagnostics and download firmware and email attacking alert. For installation, status monitor, and management of Vigor 3300 series of routers, it will be easily accomplished through a built-in Web user interface or Telnet command line interface.

Benefits

- ◆ Robust firewall for securing against intruders/attackers and Denial-of-Service (DoS).
- ◆ High performance hardware-based VPN device for small and medium level business companies.
- ◆ DHCP over VPN IPSec.
- ◆ Remote secure access VPN for supporting e-commerce, mobile user, and telecommuting applications.
- ◆ Web content filtering to block inappropriate or non-productive contents.
- ◆ Bandwidth-guaranteed for VoIP and online game applications as well as critical business networking-zone.
- ◆ 3(3300B+)/4(3300/3300V) WAN interfaces for load sharing and load balancing.
- ◆ Configurable DMZ (De-Militarized Zone) ports for isolated security zones.
- ◆ Easy installation, configuration, and management through user-friendly WEB interface.
- ◆ QoS function provides the best service for accessing traffics in Internet.
- ◆ Load Balancing solution ensures high availability for network and applications.
- ◆ EMS management for configuration management, deployment management, topology management, security management, fault management and back-end storage management.
- ◆ High availability provides a non-stop and reliability network access devices.
- ◆ Fail-over provides a backup service for users to Internet.

DrayTek

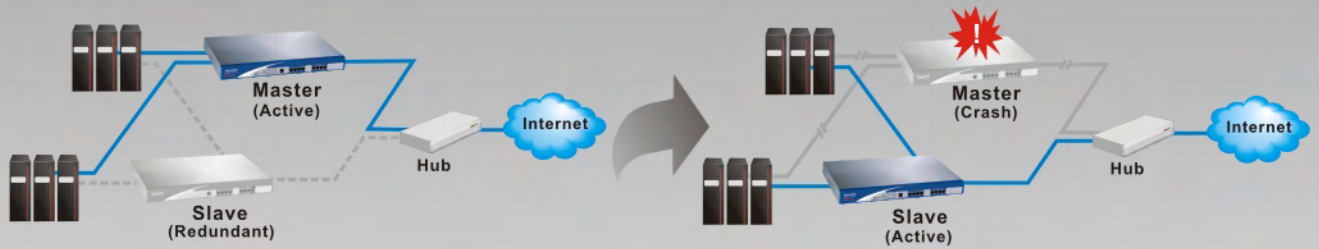


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Application

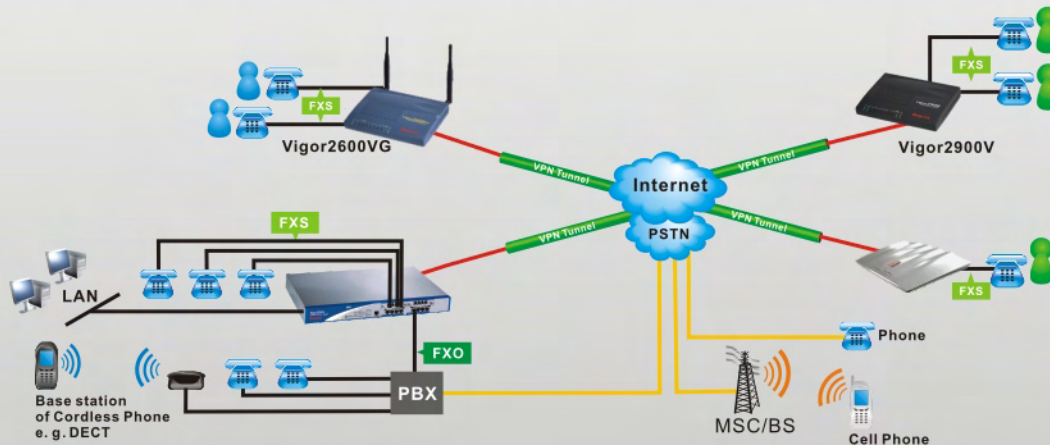
High Availability

This feature provides a non-stop and reliability network access devices. The cluster system contains two same Vigor3300s. If the master is failure, the slave will take over the master's job.



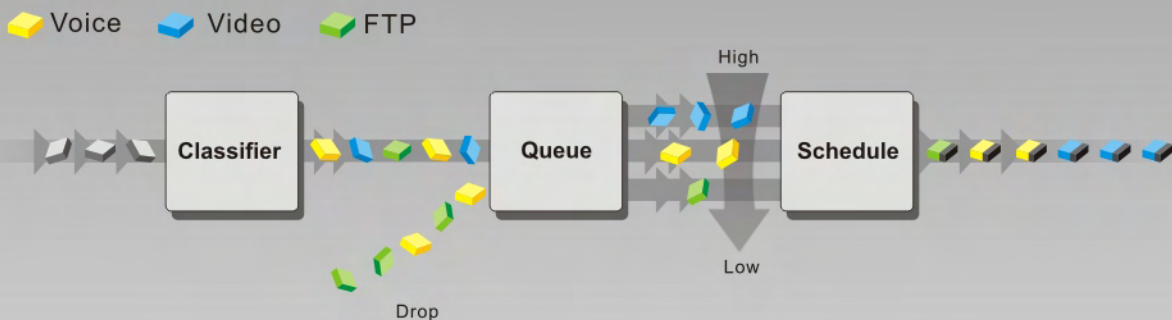
Modulized VoIP Slots

The Vigor3300V provide two VoIP Slots, and you can choose FXO or FXS module flexibly. SIP and MGCP VoIP protocols are available. The VoIP quality is guaranteed by QoS feature. It's easy to integrate to your PBX system and save your telephone fee.



QoS

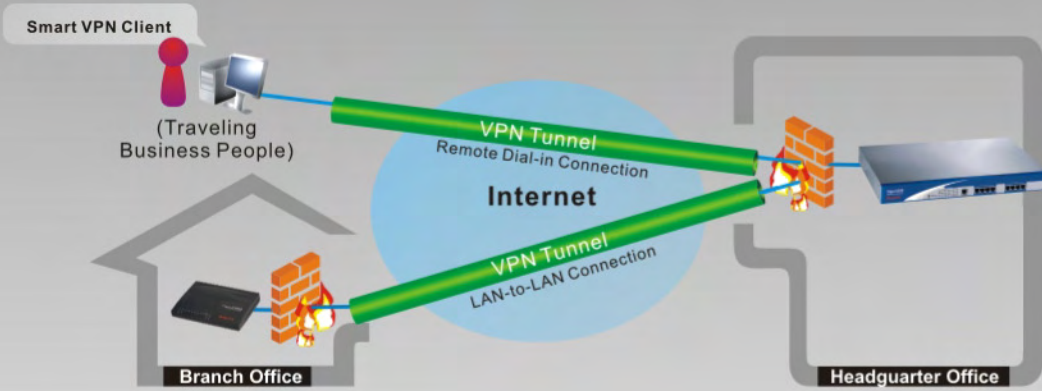
This feature allows the network administrator to monitor, analyze, and allocate bandwidth for various types of network traffic in real-time and/or for business-critical traffic.



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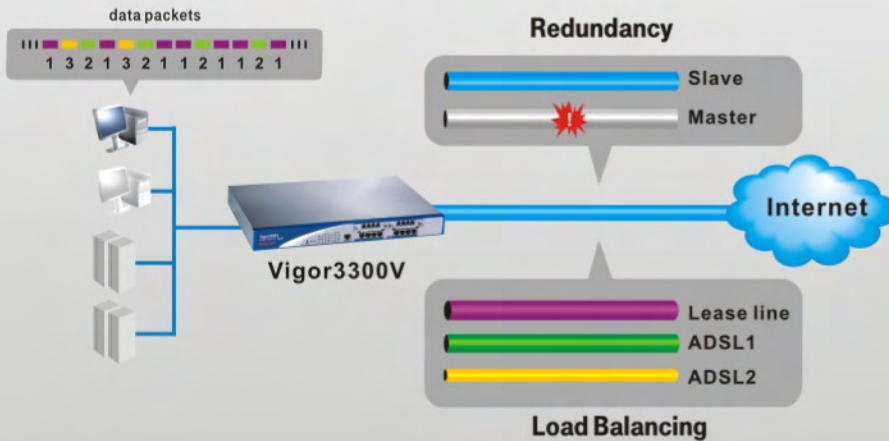
Robust VPN

Using Vigor3300's ICSA IPSec certified platform. It supports 128 IPSec VPN tunnels simultaneously. Hardware-base DES/3DES/AES / HMAC-SHA-1/ HMAC-MD5 encryption provide high performance VPN connections. It can put on the central office and co-work with other Vigor CPE routers in the branch offices



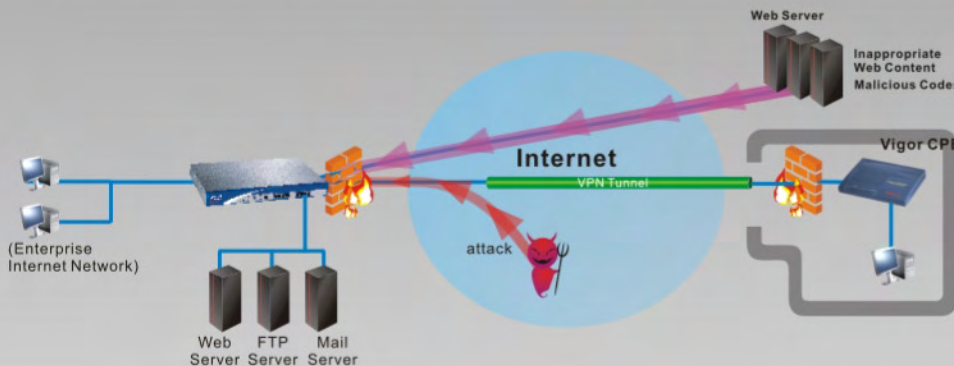
Load Balancing & Redundancy

Users can choose "Load Balancing" or "Redundancy" for a reliable Internet access. The bandwidth can be increased and traffics can be shared by multi-WAN connections in the Load Balancing feature. Redundancy provides a back-up using for users to Internet. When the Master WAN failed, the Slave WAN would take over Master immediately.



Firewall Security

The default security policy within a firewall appliance is preventing outside parties (hacker or intruder) from accessing internal LAN resources. Vigor 3300 series of routers provide such a protection in a network environment. It also support technologies of stateful packet inspection, access control, packet filtering, securing against intruders/attackers and Denial-of-Service (DoS) to provide rich security services. All packets passing through the firewall are analyzed against the state of these trusted connections to determine if they are allowed to pass through or denied.



Technical Specification

		Vigor3300B+	Vigor3300	Vigor3300V
Interface	LAN (4-port 10/100 Base-TX switch)	V	V	V
	WAN/DMZ	3 ports	4 ports	4 ports
	Console	V	V	V
	VoIP Slot	-	-	2
Network Features	NAT Capability (DMZ / Port Redirection / Open Ports)	V	V	V
	Multi-NAT	V	V	V
	DHCP Server	V	V	V
	DDNS Client	V	V	V
	Call Scheduling for PPPoE/PPTP	V	V	V
	RADIUS Client Authentication for PPTP Remote Dial-in	V	V	V
Firewall	Access Control	V	V	V
	Packet Filtering	V	V	V
	Denial of Service Prevention	V	V	V
	Stateful Packet Inspection for TCP	V	V	V
	Stateful Packet Inspection for FTP	V	V	V
VPN	IPSec VPN Tunnels	-	200	200
	Hardware-based DES/3DES/AES / HMAC-SHA-1/HMAC-MD5 Encryption	-	V	V
	PPTP for Remote Access and Control	-	V	V
	IPSec Authentication (MD5 and SHA-1)	-	V	V
	IKE/Pre-shared Key (PSK) Management	-	V	V
	LAN-to-LAN VPN	-	V	V
	PKI (X.509), CA	-	V	V
	VPN Pass-Through (IPSec)	V	V	V
	VPN Pass-Through (PPTP)	V	V	V
DHCP over IPSec	-	V	V	
Content Filtering	URL Blocking with Exception Handling	V	V	V
	Java/ActiveX/Cookies/Zip/EXE Blocking	V	V	V
	Content Blocking by User-defined Keywords	V	V	V
	Filtering based on URL Access List, Keywords, or Time of Day	V	V	V
	Content Portal Authority - Surf Control	V	V	V
System Management	Web User Interface	V	V	V
	Command Line Interface (Telnet)	V	V	V
	Command Line Interface (Console)	V	V	V
	Remote Firmware Upgrade	V	V	V
	Syslog for Logging and Monitoring	V	V	V
	Attack Alert by Email	*	*	*
	SNMP Agent - Basic MIBs	*	*	*
	SNMP Agent - Firewall, VPN, Alarm	*	*	*
EMS Management	Basic Configuration	*	*	*
	Performance Monitoring	*	*	*
	Topology	*	*	*
	Security	*	*	*
	Log	*	*	*
	Alarm	*	*	*
	Polling	*	*	*
	VPN/Firewall Configuration	*	*	*
	VoIP Configuration	*	*	*
Alarm for VPN/Firewall	*	*	*	
Load Balance	Redundancy	V	V	V
	By PC Clients	V	V	V
	By WAN Interfaces Traffic Volume	V	V	V
	By Destination IP Address	V	V	V
	By Fixed VPN Connection	V	V	V
	By Fixed VoIP Packets	V	V	V
QoS	Incoming/Outgoing Bandwidth Guaranteed	V	V	V
	Service/Protocol Classification	V	V	V
	Eight Priority Queues for Classes	V	V	V
VoIP	FXS	-	-	(4/8)
	FXO	-	-	(4/8)
	MGCP	-	-	V
	SIP	-	-	V
	Codec G.711, 729A, 723.1, G.726	-	-	V
	VAD(Silence Suppression) & CNG	-	-	V
	G.168-2000 Echo Cancel, Jitter Buffer	-	-	V
	Packet Loss Concealment	-	-	V
	RFC2833 - Out of Band DTMF	-	-	V
	Gain/Attenuation Setting	-	-	V
	Modem Support Rate Up V.92	-	-	V
	Caller ID Support: Bellcore, ETSI, NTT, DTMF-Based(Nor-Europe)	-	-	V
	Line Polarity Reversal Generation	-	-	V
	QoS for B.W Reservation	-	-	V
	Hunt Group	-	-	V
	Call Holding	-	-	V
	Outbound Proxy	-	-	V
	NAT Traversal	-	-	V
	Incoming Call Barring	-	-	V
	T.38	-	-	V
FXO-Incoming Preset Number	-	-	V	
FXO-PIN Code	-	-	*	
Multiple Proxies Registering	-	-	*	
Call Transferring	-	-	*	
High Availability	High Availability	V	V	V

*Future release



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