DrayTek

2013

Your reliable networking solutions partner

Databook

About *DrayTek*

DrayTek, state-of-the-art firmware designer and quality hardware producer is the reliable supplier of novel networking & telecommunications for SOHO and SMB. At present, DrayTek's solutions, ranging from enterprise-level firewalls, mission-critical bandwidth management and comprehensive VPN facilities, triple play routers, to prospective IP PBX solutions, can meet the market trend and go above and beyond customer's expectations.

Customer Services enhanced by MyVigor Portal

Serving activation of followings

- DrayTek Anti Virus license
- DrayTek VigorACS SI license
- Kaspersky Anti Virus license
- Commtouch Anti Spam license
  - Commtouch GlobalView Web Content Filter
    - BPJM Web Content Filter
       (hosted by DrayTek GmbH)

Membership/Customer Survey

IPv6 Commitment

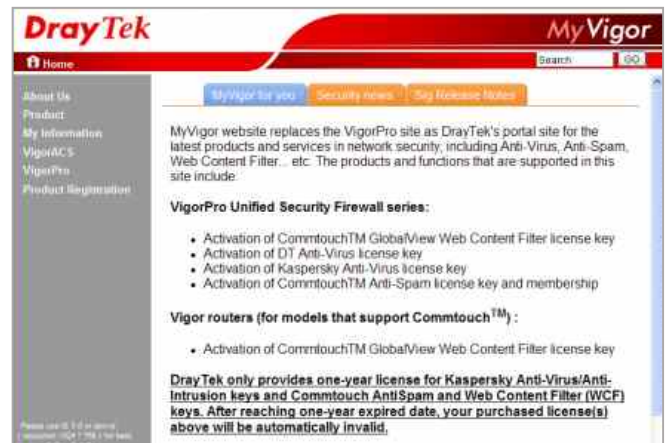**IPv6 Ready**

Customer Care

Registration

Please register products at *MyVigor* portal myvigor.draytek.com

Membership Registration entitles you to upgrade firmware for your registered product and receive news release about upcoming products and services!

MyVigor

Broadband Connectivity changes your life

How many applications can be available for the Households?
Mutli-media streaming, High-Definition IP TV, Parent Control.

What does the Home Office expect?   *Speed* !!!

Protection from Internet threats. Reduce network overhead.
Everything encrypted for remote access and VoIP.

What do IT Pros and SMB resellers must deliver to SMB?

CSM, URL Filtering, Application Blocking
Enhance Productivity.

Multi-protocol VPN, DoS Prevention, SPI Firewall
Secure Remote Access. Strengthen Security.
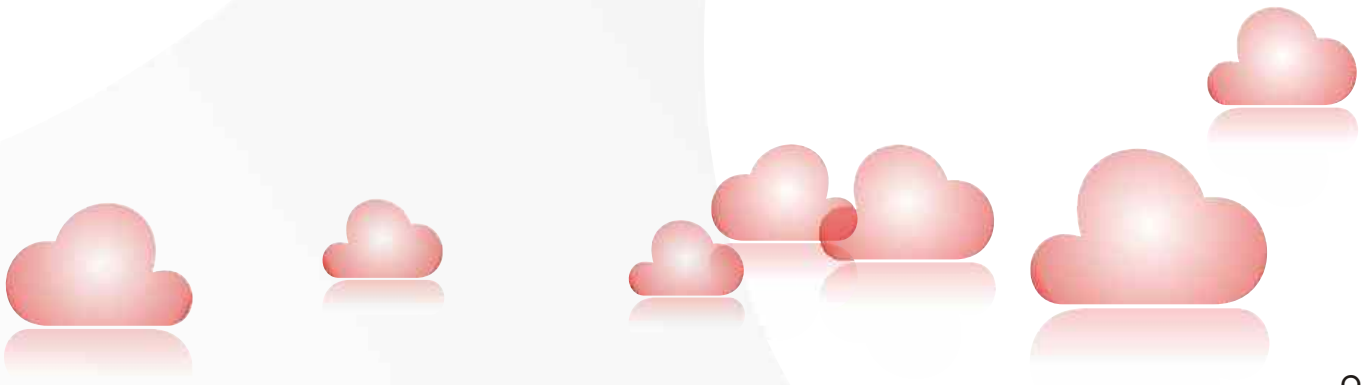
IEEE 802.11 Wi-Fi, Multiple SSID
Reliable and secure wireless access to the network.

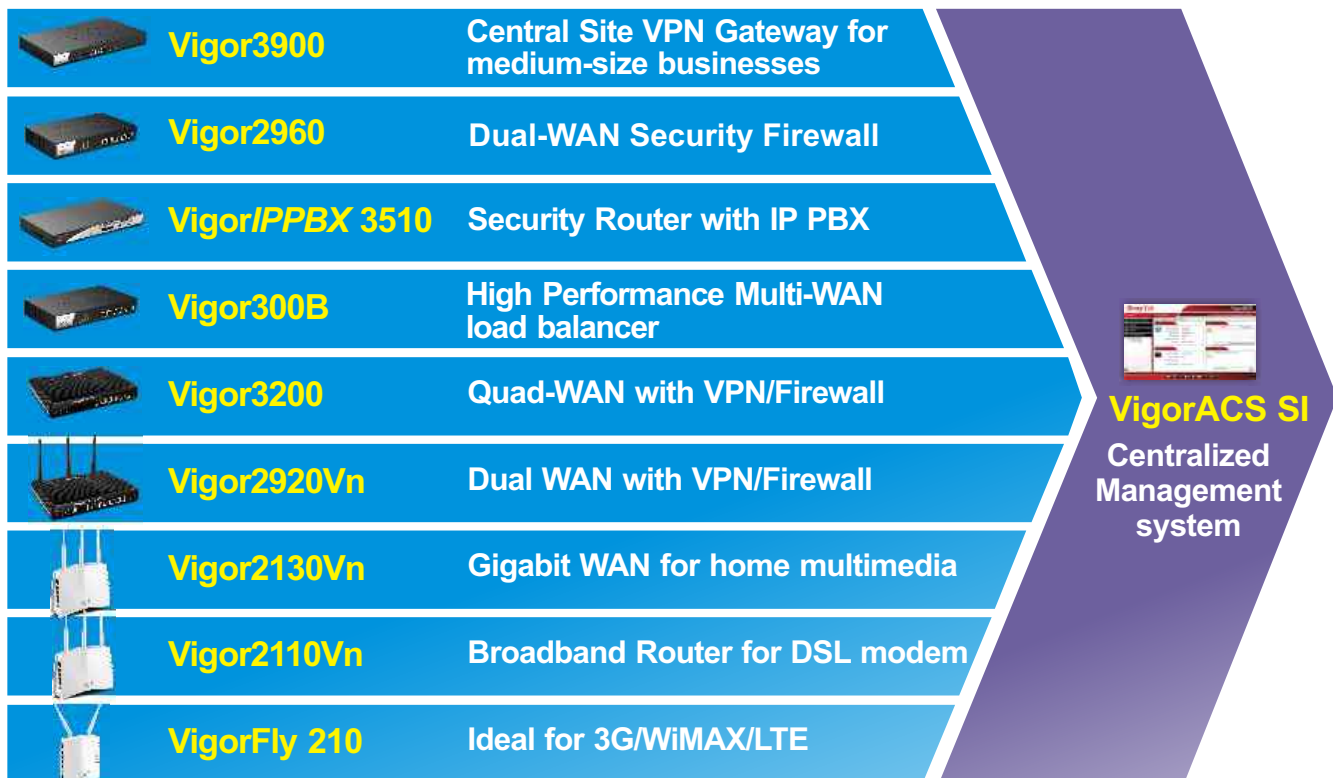**Bandwidth Management and Quality of Service (QoS)**
Assure mission-critical data be delivered with high priority.
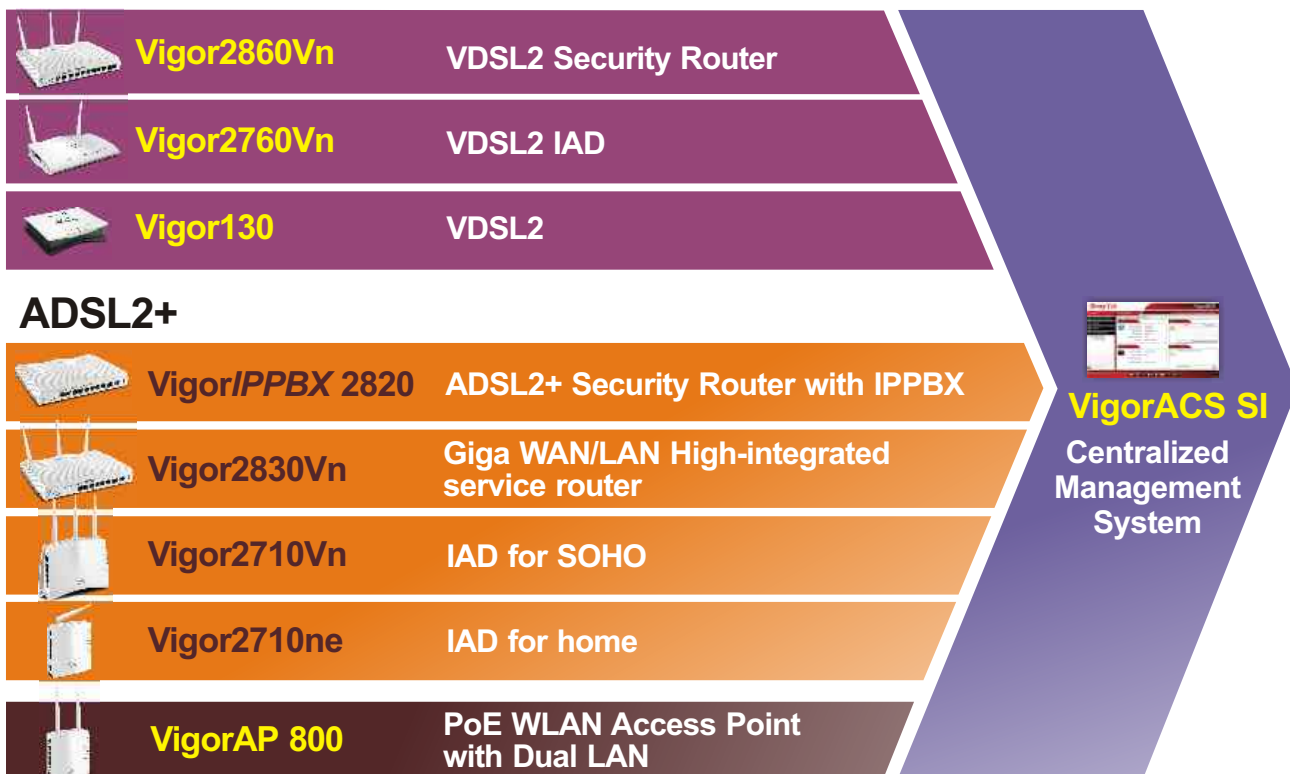Assure the VoIP packet be crystal-clear.

Load-balancing and Failover
Maintain Business Continuity of E-mail, VoIP, and other cloud services

DrayTek

Broadband

	Model	Description
	Vigor3900	**Central Site VPN Gateway for medium-size businesses**
	Vigor2960	**Dual-WAN Security Firewall**
	Vigor*IPPBX* 3510	**Security Router with IP PBX**
	Vigor300B	**High Performance Multi-WAN load balancer**
	Vigor3200	**Quad-WAN with VPN/Firewall**
	Vigor2920Vn	**Dual WAN with VPN/Firewall**
	Vigor2130Vn	**Gigabit WAN for home multimedia**
	Vigor2110Vn	**Broadband Router for DSL modem**
	VigorFly 210	**Ideal for 3G/WiMAX/LTE**

VigorACS SI
Centralized Management system

VDSL2

	Model	Description
	Vigor2860Vn	**VDSL2 Security Router**
	Vigor2760Vn	**VDSL2 IAD**
	Vigor130	**VDSL2**

ADSL2+

	Model	Description
	Vigor*IPPBX* 2820	**ADSL2+ Security Router with IPPBX**
	Vigor2830Vn	**Giga WAN/LAN High-integrated service router**
	Vigor2710Vn	**IAD for SOHO**
	Vigor2710ne	**IAD for home**
	VigorAP 800	**PoE WLAN Access Point with Dual LAN**

VigorACS SI
Centralized Management System

Index

DrayTek

Mid-size Solutions

Vigor2960
Dual WAN
(NAT Throughput up to 1000 Mbps)

Fast Broadband

Vigor3900
Multi WAN
(NAT Throughput up to 1000 Mbps)

Fast Broadband

Fiber Solutions

Vigor2960F
SFP

FTTx (100/1000Mbps)

Vigor2920F
SFP

FTTx (100Mbps)

Vigor1000
SC

FTTx (10/100/1000Mbps)

Vigor2130F
SFP

FTTx (100/1000Mbps)

Vigor2110F
SFF

FTTx (10/100Mbps)

VigorFly 200/210F
SFP

FTTx (10/100Mbps)

Internet

Small Office
xDSL

VDSL2

Vigor2860

VDSL2

Vigor2850

ADSL2/2+

Vigor2830

ADSL2/2+

Vigor2820

VigorIPPBX 2820

ADSL2/2+

Vigor2750

VDSL2

ADSL2/2+

Vigor2710

Vigor130

VDSL2

Vigor120

ADSL2/2+

Broadband

Cable/DSL Modem

Vigor3200
Four WAN

Cable/DSL Modem

Vigor2920
Dual WAN

Cable/DSL Modem

Vigor2910
Dual WAN

Cable/DSL Modem

Vigor2130

Cable/DSL Modem

Vigor2110

Cable/DSL Modem

VigorFly 210

3/4 G

Cable/DSL Modem

VigorIPPBX 3510
Dual WAN

——— Second Internet Feed

VigorACS SI

Centralized Management System

## TR-069
Management System
for Vigor series routers

| Device | Alarm | Log | Provision | Admin | User | Help | Logout |

Multi-site Central Management

- Centralized configuration and monitoring of network devices
- TR-069 based Auto Configuration Server
- Automated Drag & Drop feature for VPN connections
- Locations shown on Google Map
- Alarm Records

Google map for device management in different location

VPN Drag & Drop

TR-069 Standard

ACS server

Internet

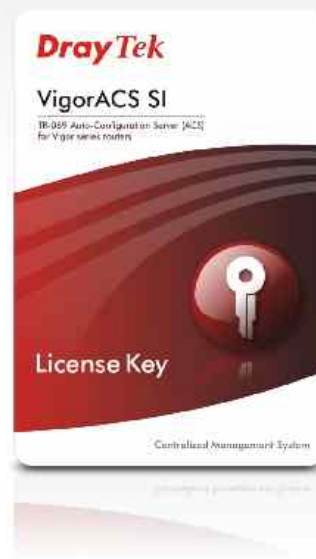**Vigor series**
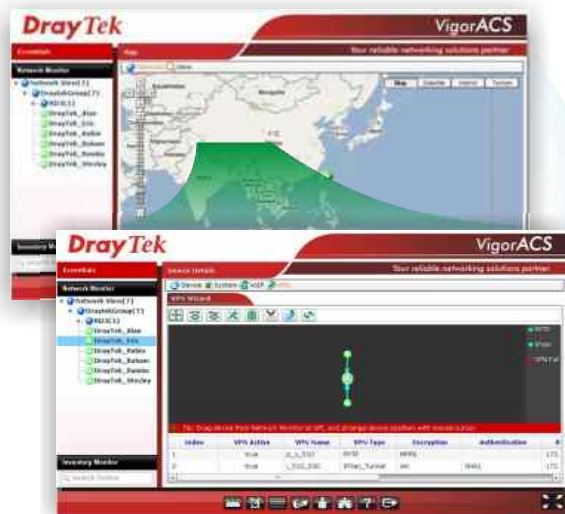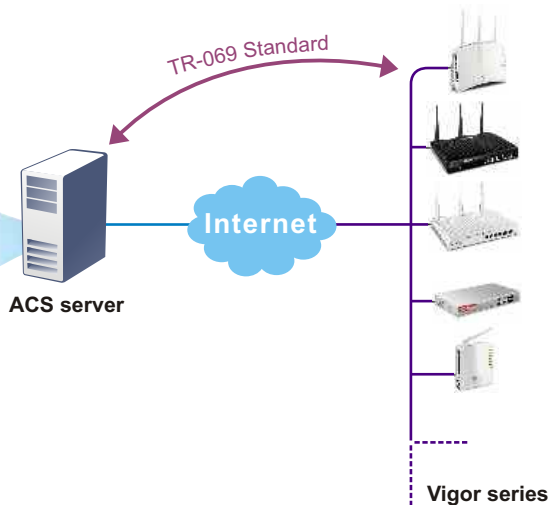
Official package

What's included in the package

- **Quick Start Guide**
- **CD Manual /Software** for installation
  on Windows (2000/XP/Vista); Linux/Unix

- **VigorACS SI License Key**

activation on *MyVigor* portal

Network Traffic Analyzer

Dray Tek

98 Users Logged   1 Admin Online   Admin

Smart Monitor

System   User Setting   Service Analysis   User Analysis   Report

Manual Refresh

Quick Start Guide

> Create your Admin Account
> Modify general Setting
> Create Group/Department
  to manager users
> View service records and
  traffic in **Service Analysis**
> View each user's records
  and traffic in User Analysis
> View statistics and analysis
  information in **Report**

Protocol	Total
FTP	11.38 MB
HTTP	5.89 MB
ICQ	0.00 MB
MSN	0.00 MB
P2P	0.00 MB
POP3	0.00 MB
SMTP	0.00 MB
TELNET	0.00 MB
WEBSMTP	0.00 MB
YMSG	0.00 MB

No.	IP Address	User Name	Group/Department	Total
1	192.168.2.145			11.59 MB
2	192.168.3.162			5.36 MB
3	192.168.2.32			2.50 MB
4	192.168.2.231			2.43 MB
5	192.168.2.177			382.83 KB
6	192.168.3.199			349.15 KB
7	192.168.2.204			322.21 KB
8	192.168.2.209			256.83 KB
9	192.168.2.85			253.69 KB
10	192.168.2.248			240.28 KB

Tricks & Tips

> Admin Online
> Event Log
> Resources
> Service Top 10
> UserTop 10

User Analysis

> Personal Records & Report
> Users' Traffic of each protocol
> Individual Top10

Service Analysis

FTP   Mail   HTTP   IM

Telnet   P2P   Webdown   Stock

Game   SIP   DNS Query   VPN

Statistics & Report

> Each Service traffic gragh
> Hard Disk utilization gragh
> Generate offline PDF reports,
  send daily report email

working with

Vigor 2820	Vigor 2830	Vigor 2850	Vigor 2860	Vigor 2920	Vigor 2930	Vigor 2950	Vigor 2955

Vigor 2960	Vigor 3200	Vigor 300B	Vigor*IPPBX* 2820	Vigor*IPPBX* 3510	VigorPro 5510	Vigor 3900

Vigor routers

Internet

GigaLAN   LAN

Running SmartMonitor

VigorSwitch G2260

Network PCs

Mid-size Business Solutions

Business Continuity - Stay Connected
Multi-WAN Redundancy/Load-balancing

USB
3.5G/4G
USB mobile

Web Server
ERP Server
FTP Server

| WAN1 | WAN2 | WAN3 | WAN4 | Fiber WAN |

Up to 1 Gb
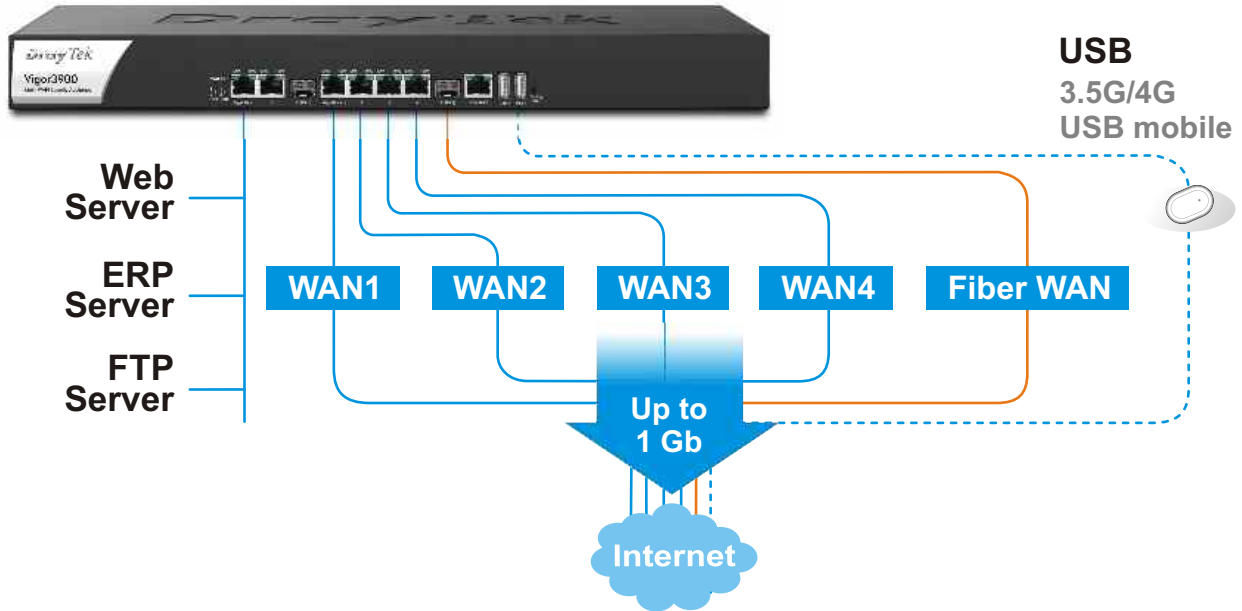
Internet

Business Continuity - Business Growth
Multi-WAN for the Bandwidth Scalability

Up to 1,000Mbps (1G)

Vigor3900

5 WAN Port

ISP1
ISP2
ISP3
ISP4
Fiber Operator

Internet

More Cloud-based Applications

Adding more WAN links when your business grows and need more cloud-based applications.

Mid
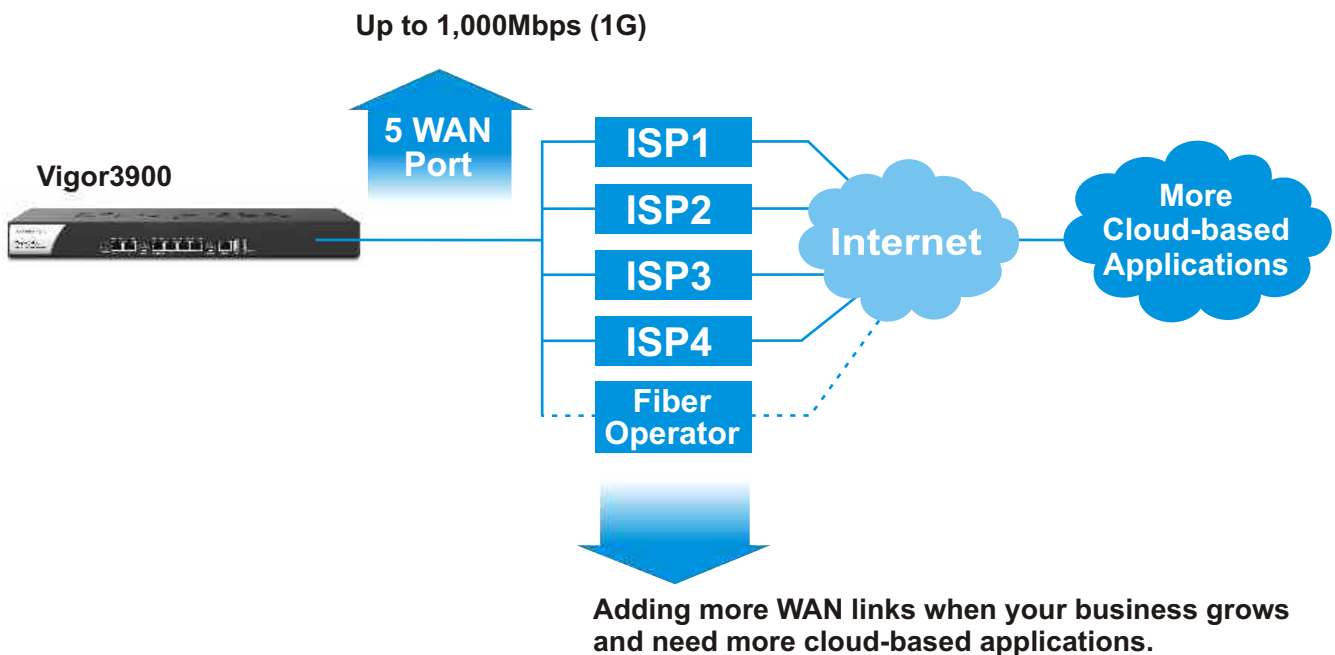
Business Continuity - Business Growth
Metro Ethernet Application

Remote site

LAN to LAN

Remote Dial-in

500 VPN Tunnels

Large Business

Vigor3900 **WAN**

Benefits:
- Supports TR-069 Vigor series routers
- Unlimited Network level to group CPEs
- Remote Auto Provisioning and Status Monitoring
- Dynamic and Schedulable Service Provisioning
- VPN Wizard for easy configuration
  .... and more

VigorACS SI

LAN to LAN

Remote Dial-in

200 VPN Tunnels

Mid-size Business

WAN **Vigor2960**

Remote site

Metro Ethernet Service Provider

Business Continuity - Interoffice / Remote Access
VPN with Load-balancing/Redundancy

Remote office A

VDSL2 Vigor2860

Remote office B

ADSL2/2+ Vigor2830

VPN Load-balancing &Failover

VPN Failover

HQ

Vigor3900

VPN Failover

Remote Dial-in (Support SSL VPN)

Branch office

Broadband Vigor2920

Tele-workers

Size
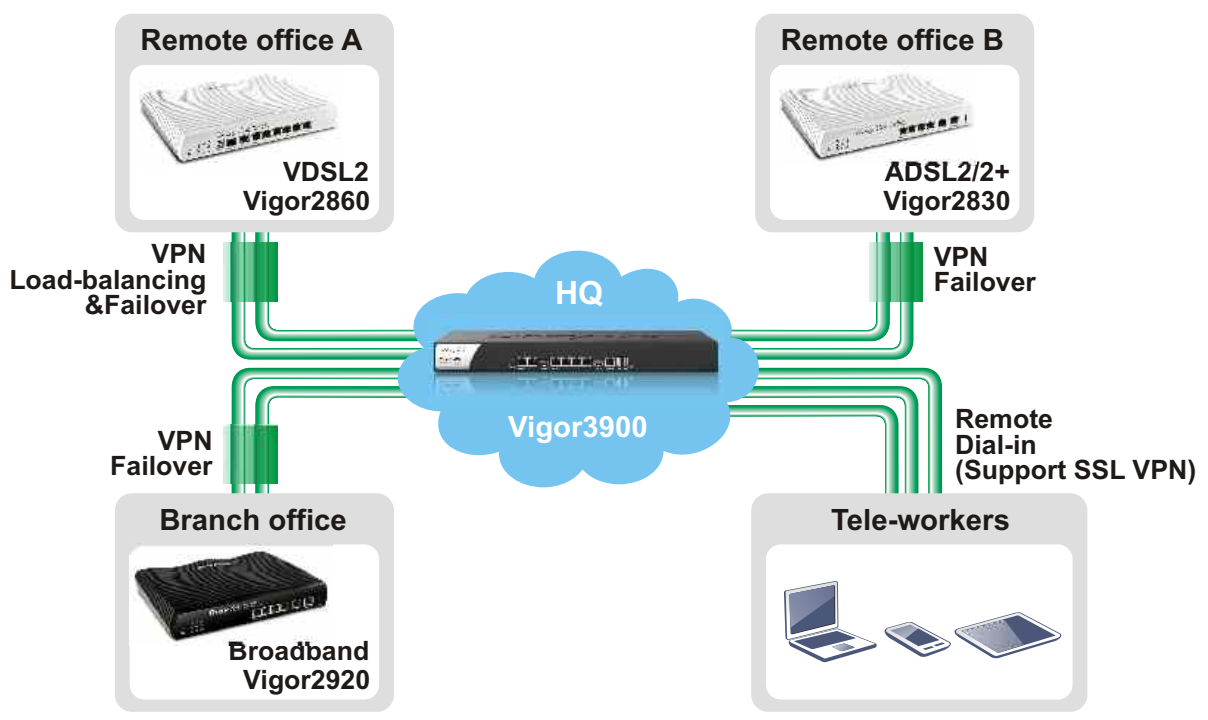
Business Continuity - Secured Network

Advanced Firewall for Secure & Efficient Workplace
Object-based Firewall & CSM (update signature update/ maintenance)
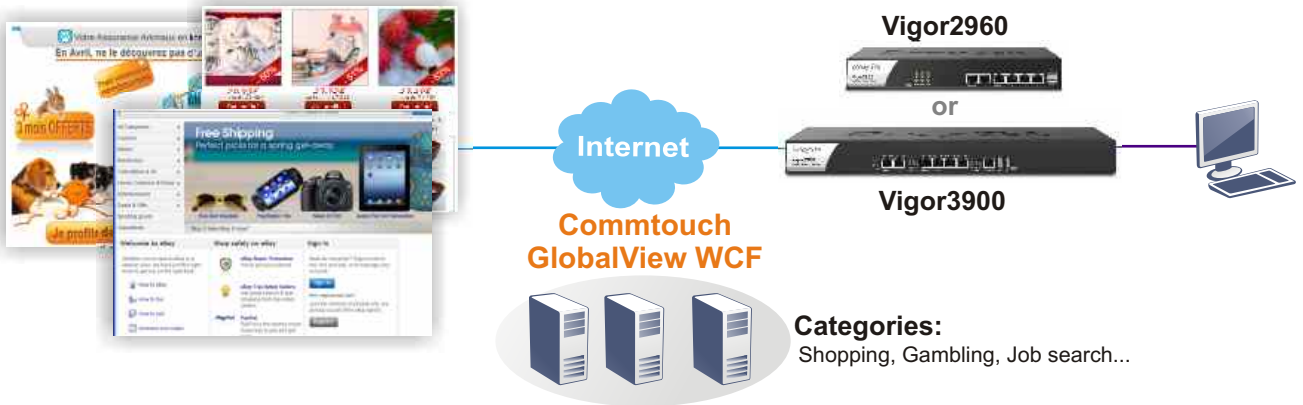
- **Prevent External Attacks**
  - ・ DoS (Denial of Service) Attacks
  - ・ IP-based Attacks
  - ・ Access by unauthorized Remote Systems
- **Avoid Data Leakage**
- **Manage Employees' Network Activities**

Internet

Vigor3900

CRM ERP

**More Essential
Business applications**

Objects Setting

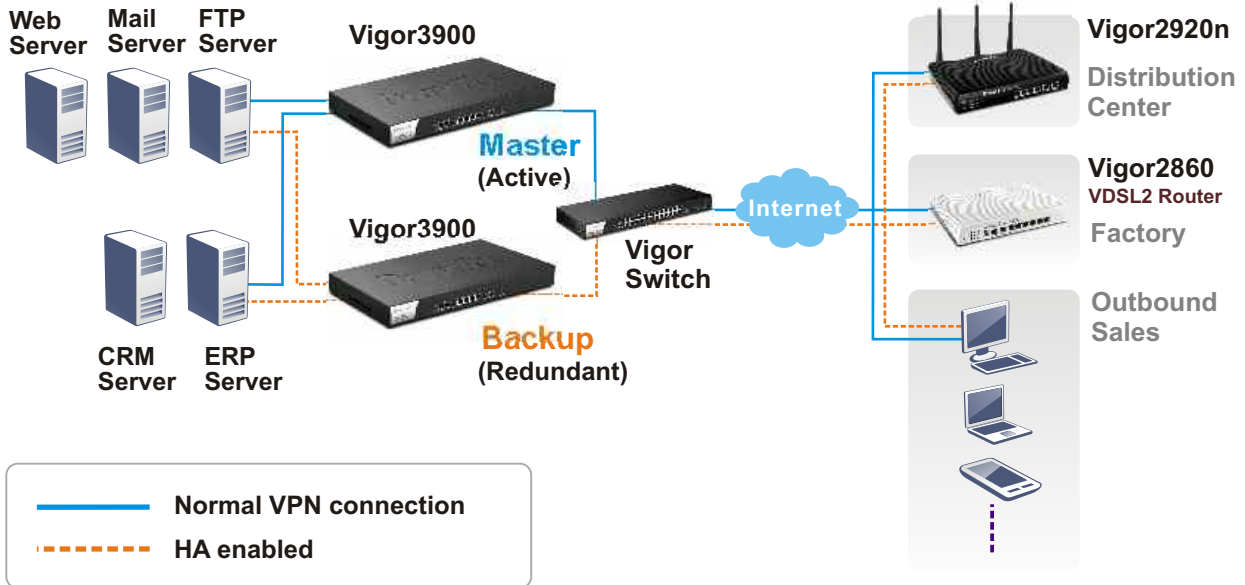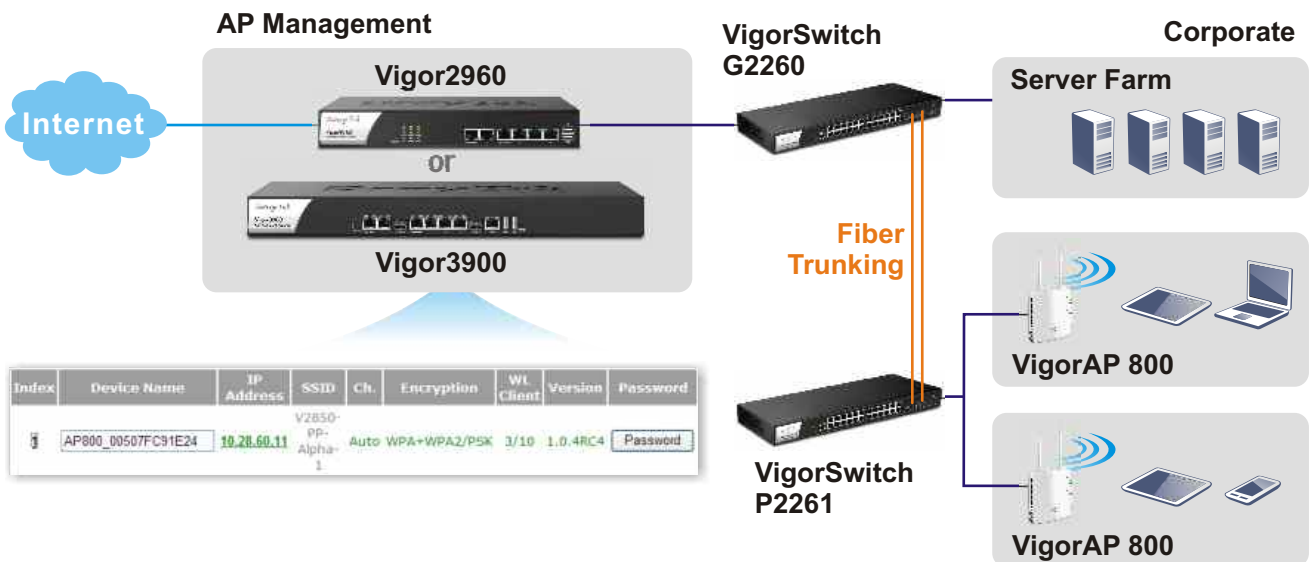| IP Object |
| IP Group |
| Service Type Object |
| Service Type Group |
| Keyword Object |
| Keyword Group |
| File Extension Object |
| IM Object |
| P2P Object |
| Protocol Object |
| Web Category Object |
| Time Object |
| Time Group |
| SMS/Mail Alert* |
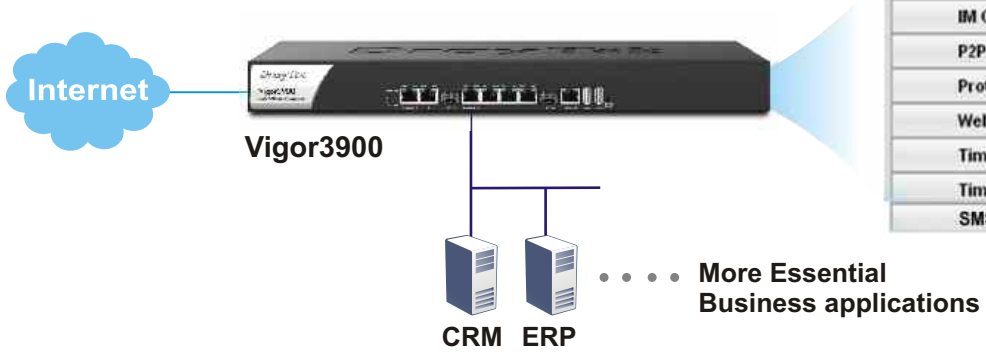
Commtouch GlobalView WCF

- **Productivity Enhancement**
- **Bandwidth Regulation**
- **HR Policy Compliance**
- **Preventing Web Threats**

Vigor2960

or

Internet

Vigor3900

**Commtouch
GlobalView WCF**

Categories:
Shopping, Gambling, Job search...

Mid

Business Continuity - Disaster Recovery
High Availability (HA)

Web Server   **Mail Server**   **FTP Server**   **Vigor3900**

Vigor2920n

Distribution Center

**Master
(Active)**

Vigor3900

Vigor2860
VDSL2 Router

Factory

Vigor Switch

Internet

**Backup
(Redundant)**

CRM Server   **ERP Server**

Outbound Sales

─────── Normal VPN connection

- - - - - - HA enabled

BYOD

AP Management

Vigor2960

VigorSwitch G2260

Corporate

Server Farm

Internet

or

Vigor3900

Fiber Trunking

Index	Device Name	IP Address	SSID	Ch.	Encryption	WL. Client	Version	Password
	AP800_00507FC91E24	10.28.60.11	V2850-PP-Alpha-1	Auto	WPA+WPA2/PSK	3/10	1.0.4RC4	Password

VigorAP 800

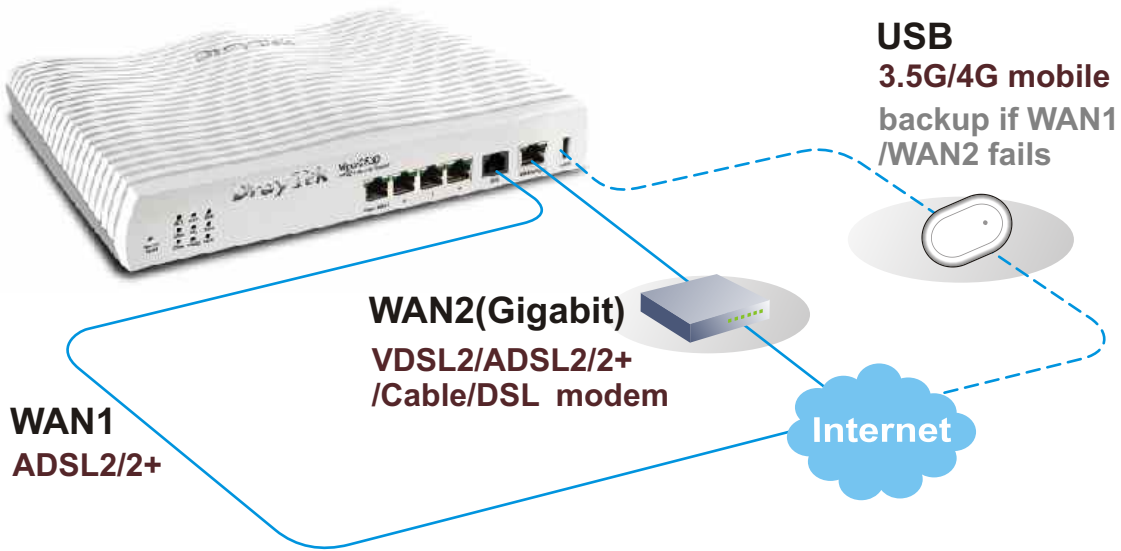**VigorSwitch P2261**

VigorAP 800

AP Management is available
via the future firmware upgrade.

Size

SOHO/Small Business Solutions

Reliable connectivity

Dual WAN and USB WAN (3.5G/4G LTE) ensure reliable connectivity.

USB
3.5G/4G mobile
backup if WAN1 /WAN2 fails

WAN2(Gigabit)
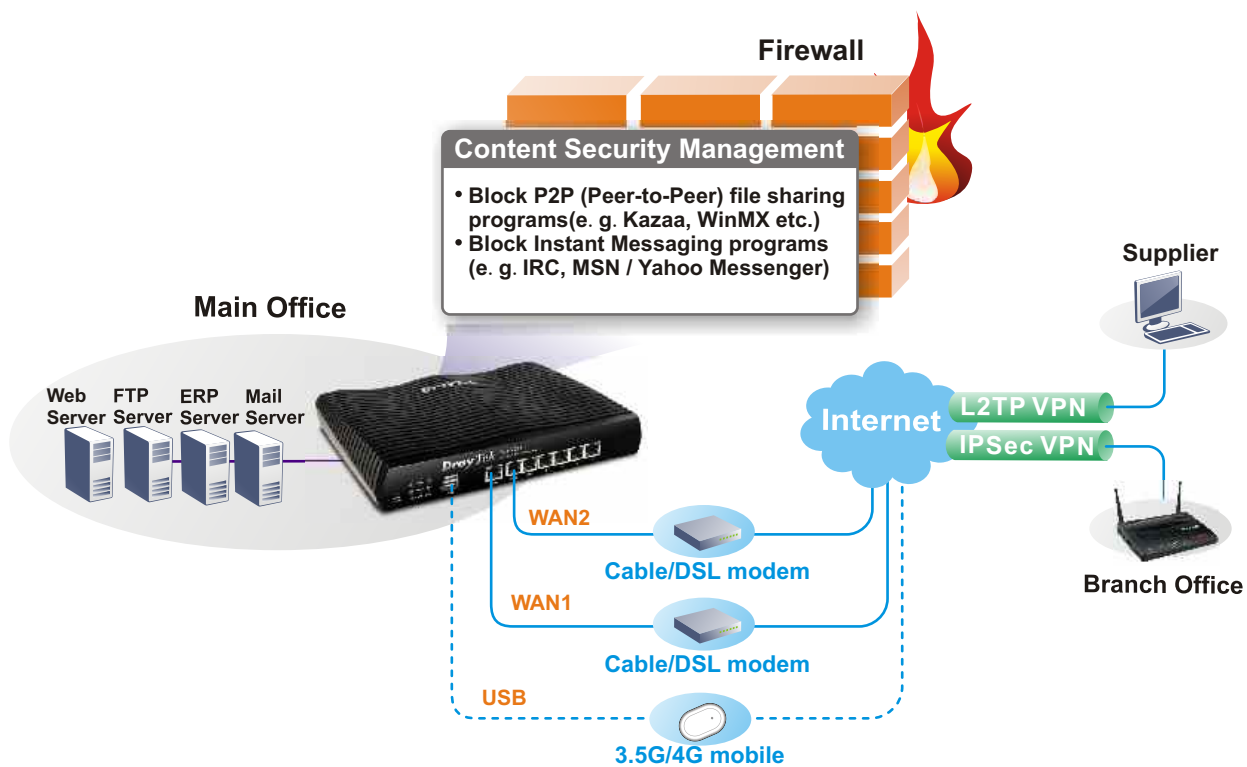**VDSL2/ADSL2/2+ /Cable/DSL modem**

WAN1
ADSL2/2+

Internet

Utilization of cloud-based applications

Your thin client PCs can run those mission-critical business applications offered by the Cloud.

Cloud-based Applications

DrayTek Vigor2860
VDSL2 Security Firewall

1 2 USB   VDSL/ADSL   WAN2(Giga)   GigaLAN ▶ 1   2   3   4   5   6

VigorSwitch G2260

Utilization of Cloud-based Applications

Video Conference (e.g. WebEx)
ERP (e.g. SAP)
CRM (e.g. Salesforce)
Other Cloud-based Applications

IPv6 & IPv4 Internet
VDSL2 WAN
Modem
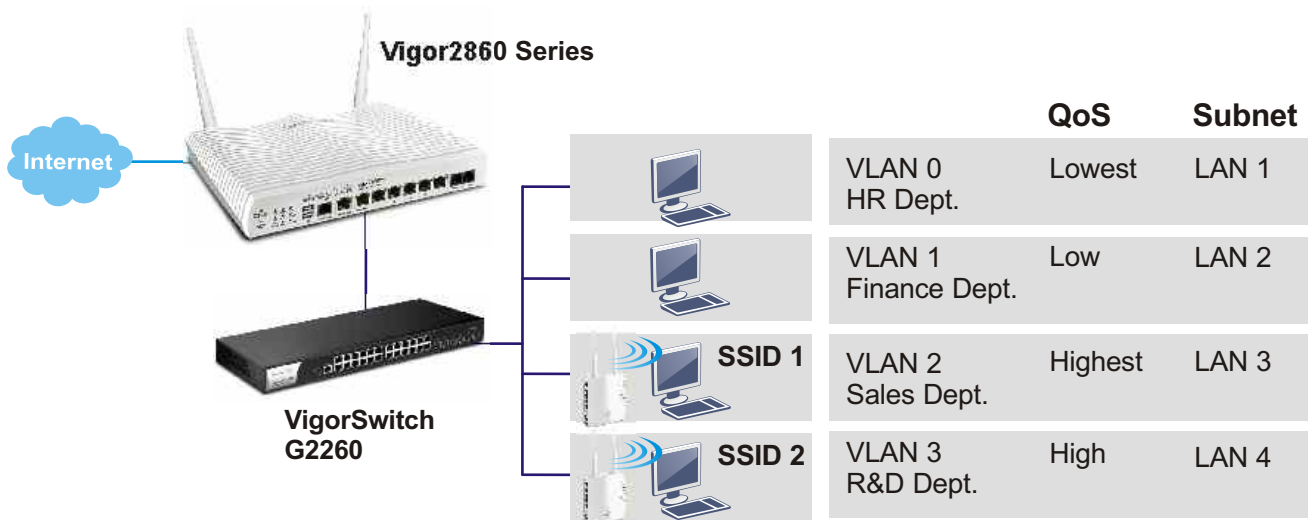**WAN 2 for Internet Feed over 300Mpbs**
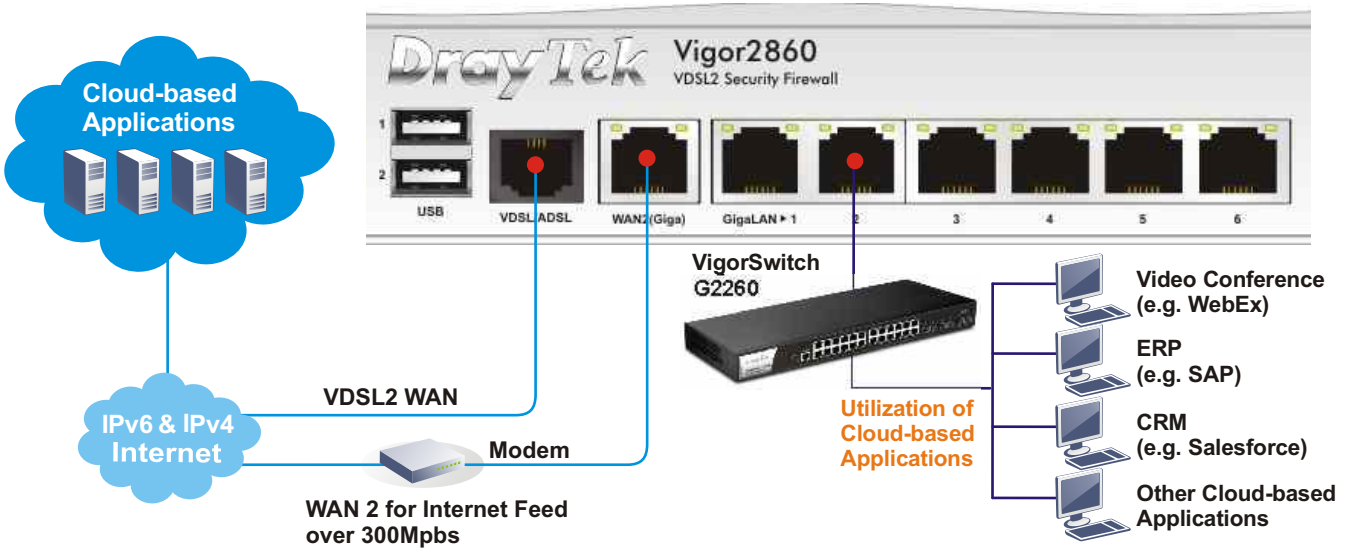
Robust Network Protection

CSM (Content Security Management) enables users to control and manage IM (Instant Messenger) and P2P (Peer-to-Peer) applications more efficiently.
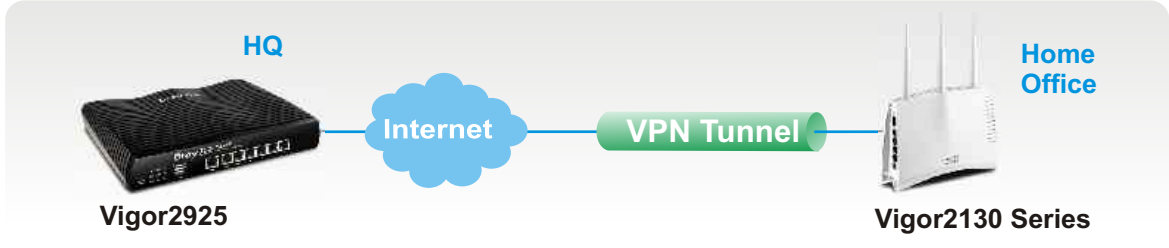
Firewall

Content Security Management
- Block P2P (Peer-to-Peer) file sharing programs(e. g. Kazaa, WinMX etc.)
- Block Instant Messaging programs (e. g. IRC, MSN / Yahoo Messenger)

Supplier

Main Office

Web Server FTP Server ERP Server Mail Server

Internet

L2TP VPN
IPSec VPN

WAN2
Cable/DSL modem

Branch Office

WAN1
Cable/DSL modem

USB
3.5G/4G mobile

The multi-subnet feature can isolate different workgroup and manage the QoS and wireless access. Each subnet can be configured as IP object to ease the firewall settings.
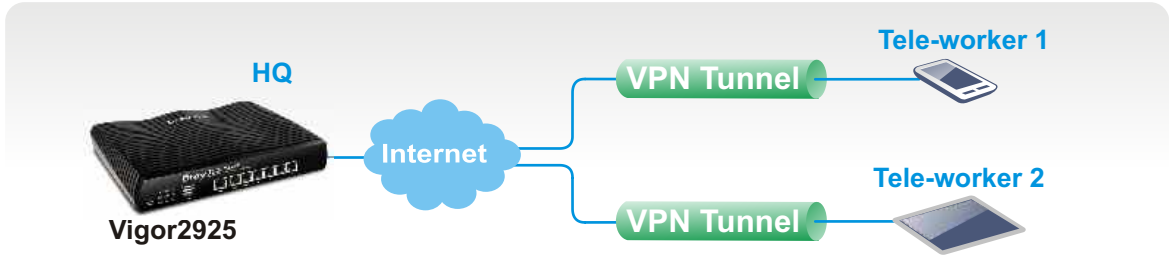
Vigor2860 Series

Internet

VigorSwitch G2260

SSID 1

SSID 2

	QoS	Subnet
VLAN 0 HR Dept.	Lowest	LAN 1
VLAN 1 Finance Dept.	Low	LAN 2
VLAN 2 Sales Dept.	Highest	LAN 3
VLAN 3 R&D Dept.	High	LAN 4

SOHO

Multi-site Secure Communication

Vigor solutions support both LAN-to-LAN (site-to-site) and Remote dial-in (client-to-site) in PPTP/L2TP/IPsec that helps tele-worker access corporate data/application in anytime/anywhere.
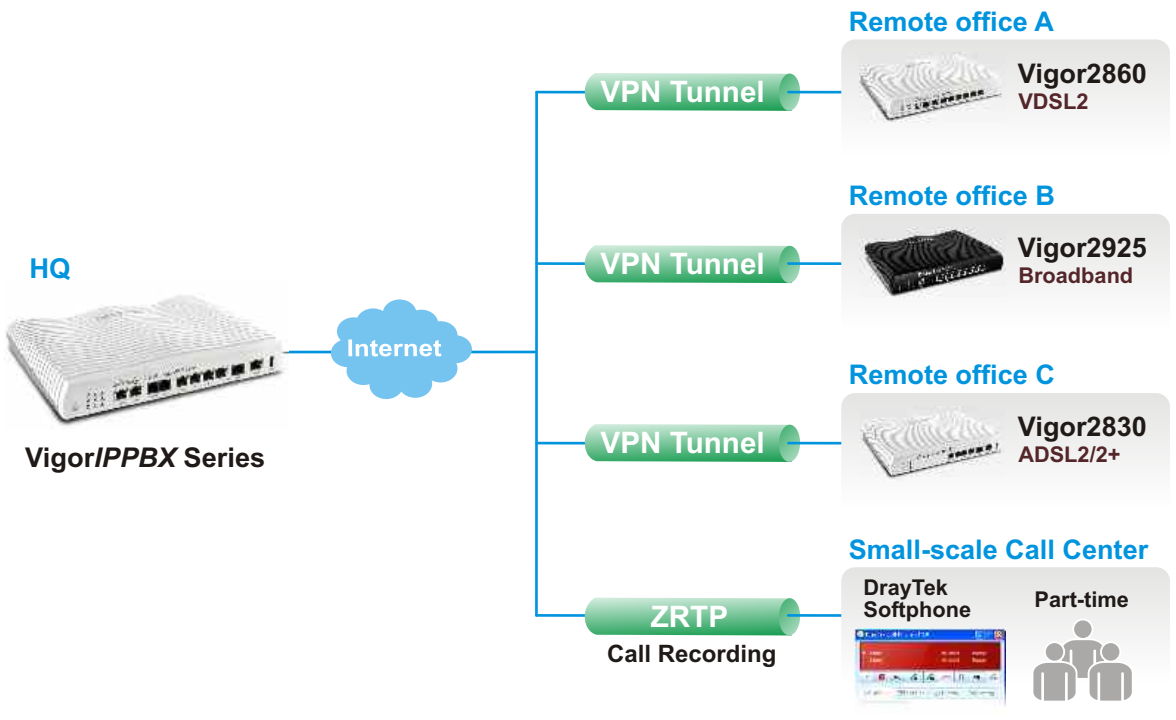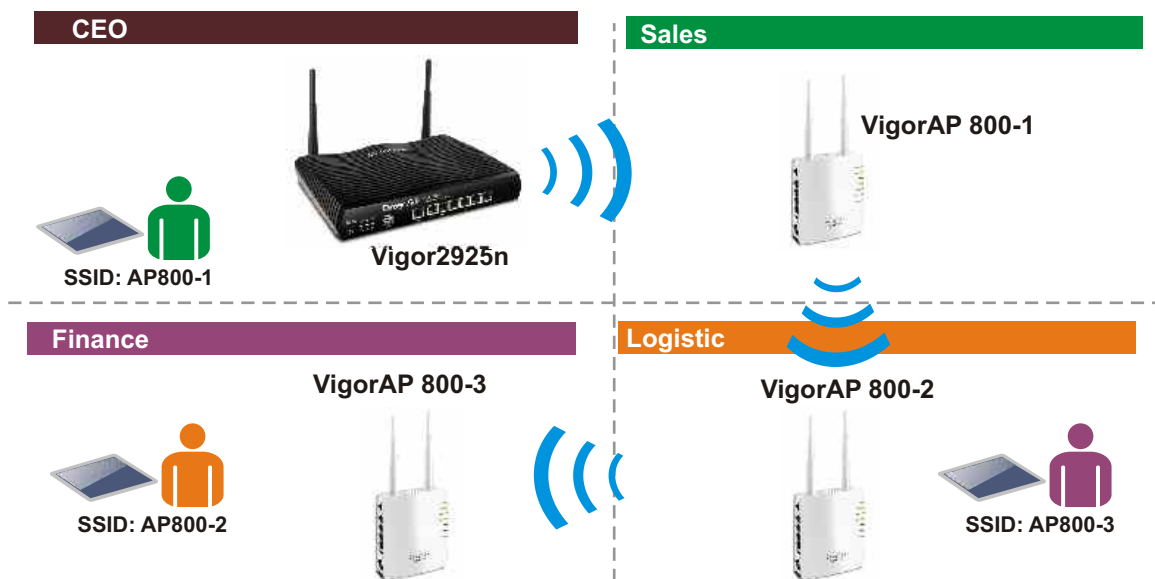
LAN to LAN

HQ

Internet — **VPN Tunnel** — **Home Office**

Vigor2925   **Vigor2130 Series**

Remote dial-in

HQ

Internet

VPN Tunnel — **Tele-worker 1**

VPN Tunnel — **Tele-worker 2**

Vigor2925

VoIP over VPN plus ZRTP protection

HQ

Internet

VPN Tunnel — **Remote office A**
Vigor2860 VDSL2

VPN Tunnel — **Remote office B**
Vigor2925 Broadband

VPN Tunnel — **Remote office C**
Vigor2830 ADSL2/2+

ZRTP
Call Recording

Small-scale Call Center
DrayTek Softphone   **Part-time**

Vigor*IPPBX* Series

SOHO

BYOD

Wi-Fi Security & Extendibility

CEO

Sales

VigorAP 800-1

Vigor2925n

SSID: AP800-1

Finance

Logistic

VigorAP 800-3

VigorAP 800-2

SSID: AP800-2

SSID: AP800-3

- WPA/ WPA2
- 64/128 bit WEP Encryption
- MAC Address Blocking
- Hidden SSID
- 802.1X Authentication

You can authorize person who can access wireless network in different departments by WDS/Universal Repeater.
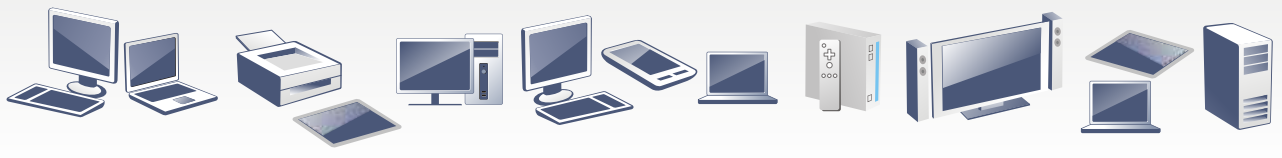
Employee Productivity Optimization

Get details of network logging record, e-mail record or IM chatting record, or file downloading, SIP call, VPN connection and more via DrayTek Smart Monitor Traffic Analyzer.
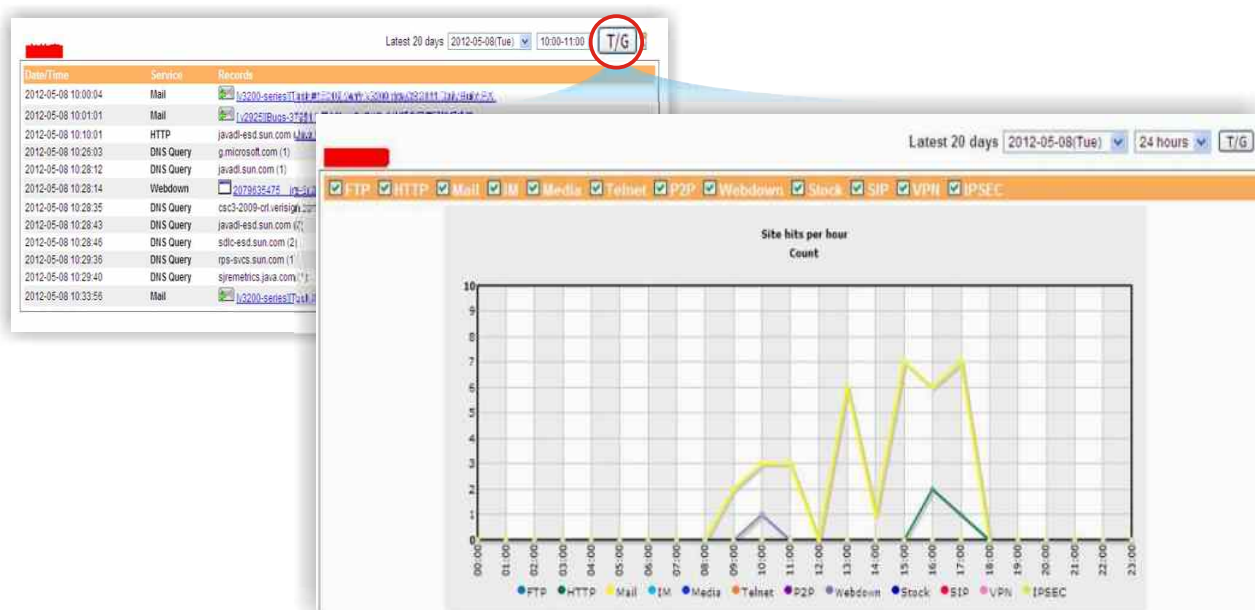
Get Ready for IPv6 Era

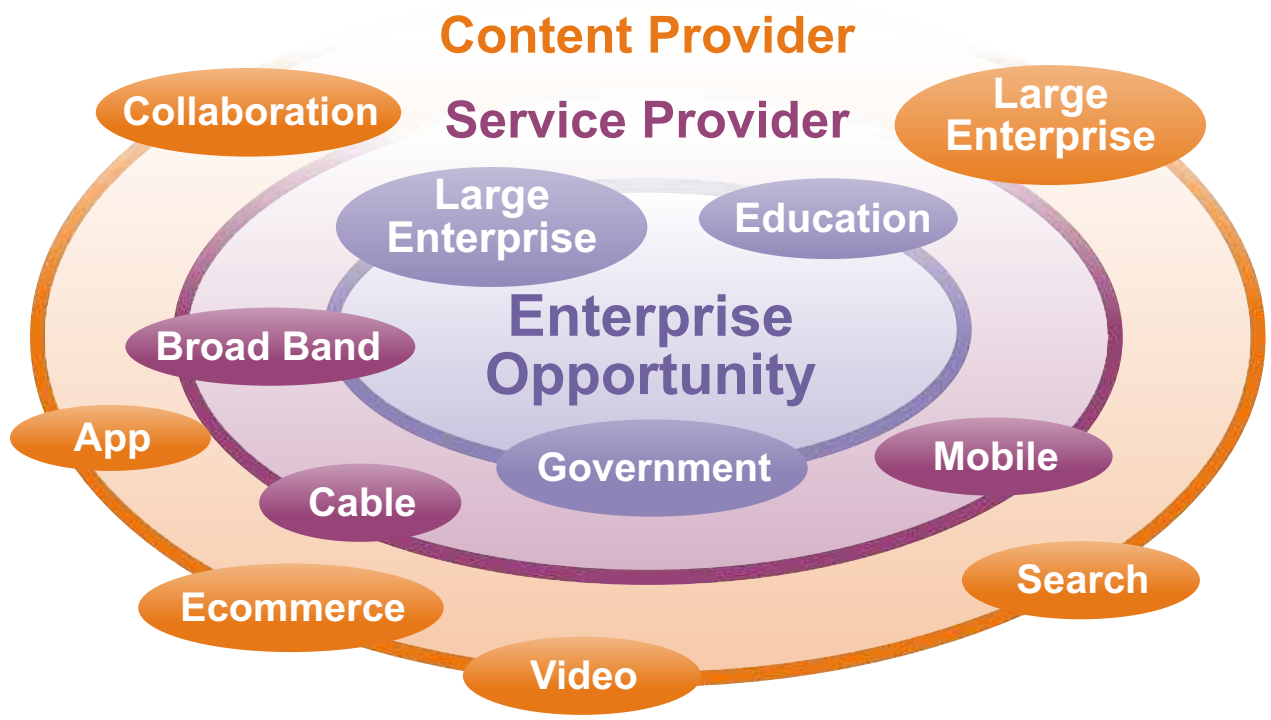**Need sufficient unique addresses to reach the full potential of every connected device**

19 billion fixed and mobile-connected devices (2016 est.)

7.5 billion subscribers (2016 est.)

Supply and Demand

Content Provider

Service Provider

Collaboration

Large Enterprise

Large Enterprise

Education

Enterprise Opportunity

Broad Band

App

Cable

Government

Mobile

Ecommerce

Search

Video

DrayTek IPv6 WAN Connection Type

Dual Stack
Static IPv6
PPP

Tunnel Mode
DHCPv6 Client
TSPC
AICCU
6to4
6rd
6in4 Static Tunnel
Dual-Stack Lite

DrayTek supports various IPv6 WAN connection types to meet different network infrastructures. Certainly, we'll add even more types based on customers' feedbacks.

New Applications

IPv6 characteristics make new applications easier

eg. Telematics

Supply and Demand

IT Consumerization

Mobile Workforce

IPv6 Generation

New Users for IT networks

Smart Buildings

Video

Smart Grids

M&A

Always on Connectivity

Manage Addresses

IP PBX Solutions

Vigor*IPPBX* 2820
- 50 IP Extension
- Highly-integrated service ADSL2+ router with IPPBX functionalities

Vigor*IPPBX* 3510
- 100 IP Extension
- Highly-integrated service firewall router with IPPBX functionalities

IP PBX

+

**Firewall** **VPN** **QoS** **CSM**

+

ZRTP

PSTN **Internet** **SIP (ITSP)**

IP Phone

DrayTek Soft Phone v1.3.0

Line1: 00:00:00 Ready
Line2: 00:00:00 Ready

00/00

Contact Dial Pad History Setting

Soft Phone

23
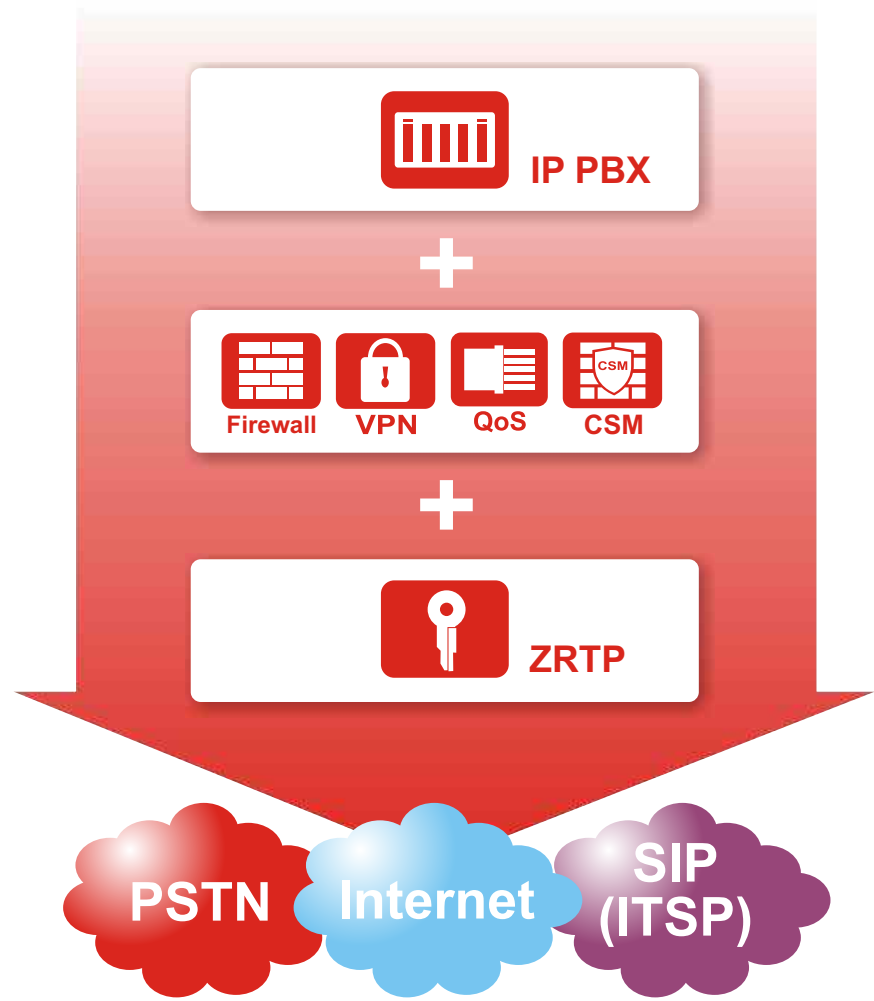
Fiber Solutions

Model	Speed	Connector	Ethernet WAN	Wireless	VoIP	VPN	Firewall
Vigor3900	SFP	100/1G	4xGigabit Port	n/a	n/a	500	CSM
Vigor2960F	SFP	100/1G	1xGigabit Port	n/a	n/a	200	CSM
Vigor2920F Series	SFP	100	1xGigabit Port	11n	Yes	32	CSM
Vigor2130F Series	SFP	100/1G	n/a	11n	Yes	2	CSM
Vigor2110F Series	SFF	100	n/a	11n	Yes	2	CSM
Vigor1000 Series	SC or SFP*	100/1G	n/a	11n	Yes	2	CSM
VigorFly 210F Series	SFP	100	n/a	11n	Yes	1	CSM

The Vigor Fiber Router Series is only for project and please check with the local authorized resellers for availability.
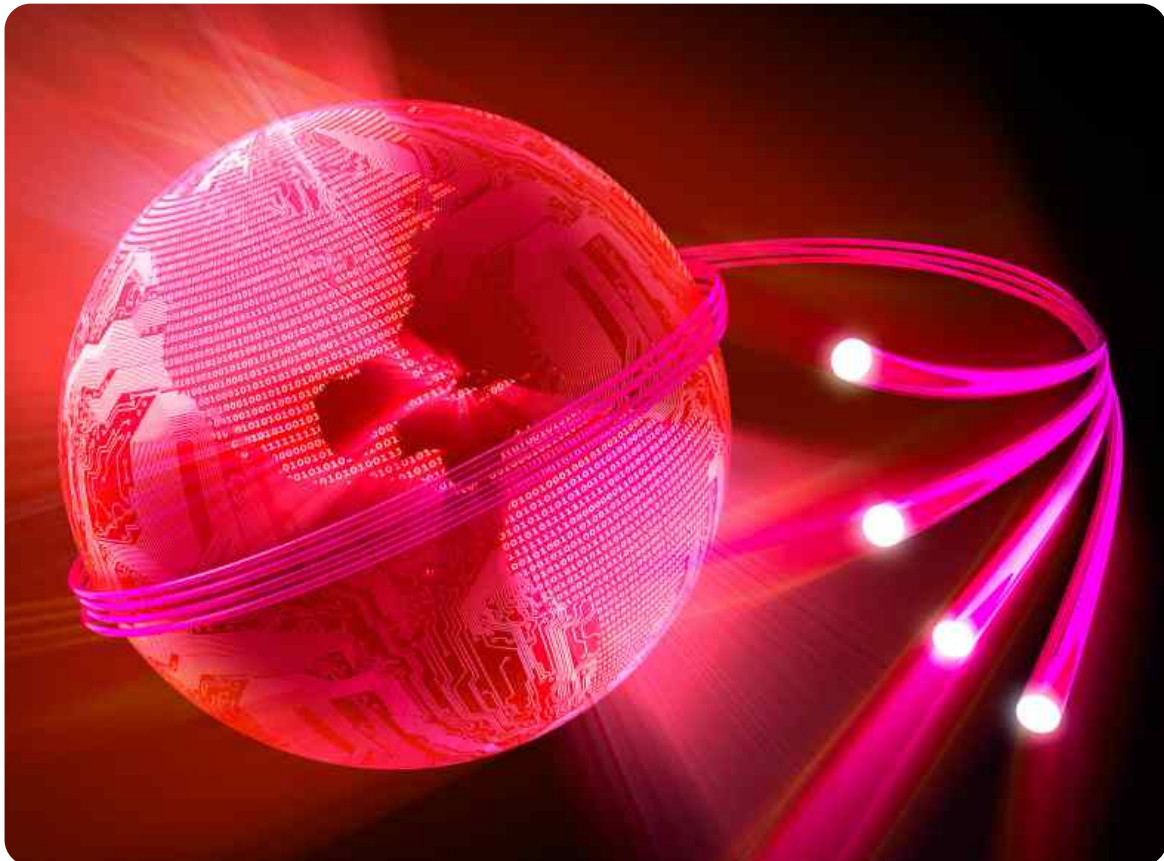
VigorACS SI
Central Management
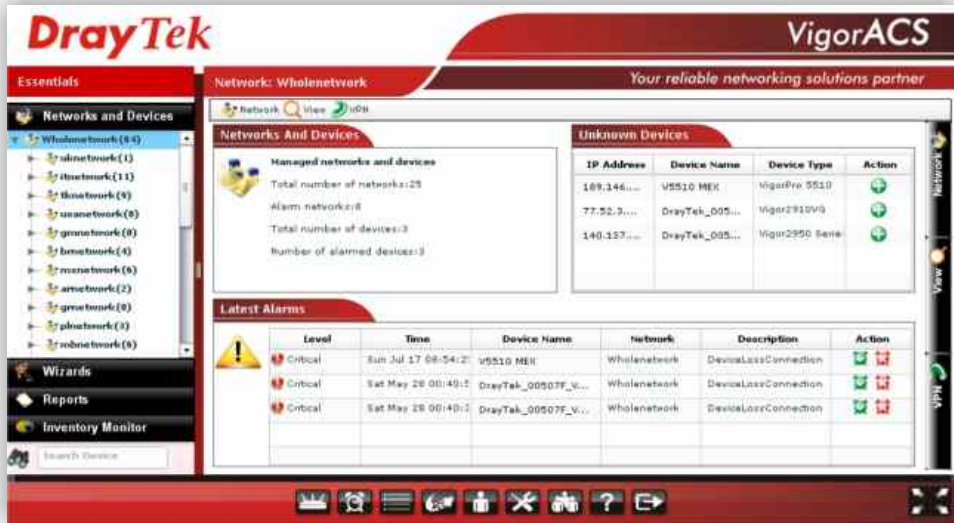
- Supports TR-069 Vigor series routers
- Unlimited Network level to group CPEs
- Remote Auto Provisioning and Status Monitoring
- Dynamic and Schedulable Service Provisioning
- VPN Wizard for easy configuration
- Daily Report and Performance for Review

- System Log System
- Real Time Alarm Management
- Topology Management
- Advance Firmware Management
- Security and User Group Management

Vigor3900
Multi-WAN Security

- Five Gigabit WAN (4 Ethernet & 1 SFP)
- Three Gigabit LAN ports (2 Ethernet & 1 SFP)
- WAN load-balancing & WAN Failover
- Up to 500 simultaneous IPsec/PPTP/L2TP VPN Tunnels
- VPN Trunking (VPN backup/load-balancing)
- Up to 50 WAN/LAN-side IP subnets

- QoS and Robust Firewall including Web Content Filtering
- IPv4 & IPv6 Dual Stack
- Working with Smart Monitor Traffic Analyzer
  (Up to 200 nodes)
- High Availability

More Info:

Vigor2960
Dual-WAN Firewall
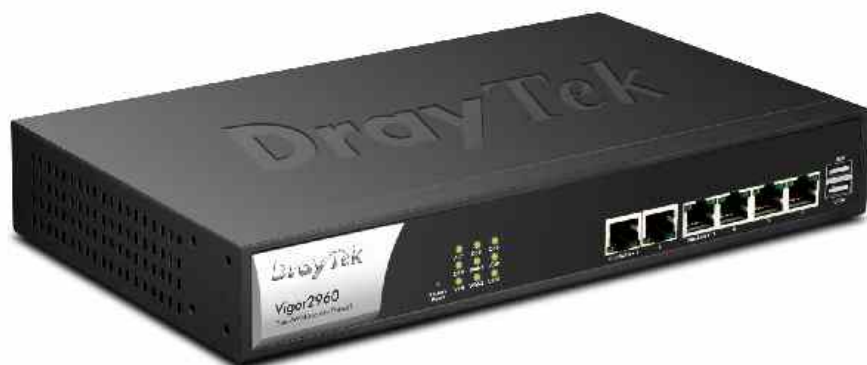
- Two Gigabit WAN (2 Ethernet ports)
- Four Gigabit LAN ports (4 Ethernet ports)
- Two USB ports for File System, USB printer and
- 3.5/4G USB mobile network
- WAN load-balancing & WAN Failover
- Up to 200 simultaneous IPsec/PPTP/L2TP VPN Tunnels

- VPN Trunking (VPN backup/load-balancing)
- Up to 20 WAN/LAN-side IP subnets
- QoS and Robust Firewall including Web Content Filtering
- IPv4 & IPv6 Dual Stack
- Working with Smart Monitor Traffic Analyzer (Up to 100 nodes)

Vigor3200 Series
Multi-WAN

- Four Gigabit Ethernet WAN
- One Gigabit LAN port, One DMZ port
- One USB port for File System, USB printer and 3.5/4G USB mobile network
- WAN load-balancing & WAN Failover
- Up to 64 simultaneous IPsec/PPTP/L2TP VPN Tunnels
- Up to 10 simultaneous SSL VPN tunnels
- Support VPN Backup and Load Balance (VPN Trunking) for WAN1 and WAN2
- Up to 4 WAN/LAN-side IP subnets
- Active Directory/LDAP Group Management for VPN remote dial-in authentication
- QoS and Robust Firewall including Web Content Filtering
- IPv4 & IPv6 Dual Stack
- Working with Smart Monitor Traffic Analyzer (Up to 100 nodes)

WLAN model: Vigor3200n (with 2.4GHz)

Vigor2920 Series
Dual-WAN

- Two Ethernet WAN ports (WAN 1: 10/100 Based-Tx, WAN 2: Gigabit Ethernet)
- Four Gigabit Ethernet LAN ports
- One USB port for File System, USB printer and 3.5/4G USB mobile network
- WAN load-balancing & WAN Failover
- Up to 32 simultaneous IPsec/PPTP/L2TP VPN Tunnels
- Support VPN Backup
- Up to 4 WAN/LAN-side IP subnets
- QoS and Robust Firewall including Web Content Filtering
- IPv4 & IPv6 Dual Stack
- Working with Smart Monitor Traffic Analyzer (Up to 30 nodes)

WLAN model: Vigor2920n (with 2.4GHz)
VoIP model with WLAN: Vigor2920Vn (with 2.4GHz)

Vigor2920F Series
Fiber Router

- One SFP port for 100 Mbps Fiber Feed, WAN 2: Gigabit Ethernet
- Four Gigabit Ethernet LAN ports
- One USB port for File System, USB printer and 3.5/4G USB mobile network
- WAN load-balancing & WAN Failover
- Up to 32 simultaneous IPsec/PPTP/L2TP VPN Tunnels
- Support VPN Backup
- Up to 4 WAN/LAN-side IP subnets
- QoS and Robust Firewall including Web Content Filtering
- IPv4 & IPv6 Dual Stack
- Working with Smart Monitor Traffic Analyzer (Up to 30 nodes)

WLAN model: Vigor2920Fn (with 2.4GHz)
VoIP model with WLAN: Vigor2920FVn (with 2.4GHz)

More Info:

Vigor2910 Series
Dual-WAN

- Two 10/100 Based-Tx Ethernet WAN ports
- Four 10/100 Based-Tx Ethernet LAN ports
- One USB port for File System, USB printer and 3.5/4G USB mobile network
- WAN load-balancing & WAN Failover
- Up to 32 simultaneous IPsec/PPTP/L2TP VPN Tunnels
- QoS and Robust Firewall

Vigor2860 Series
VDSL2/ ADSL2/2+ highly integrated service router

- VDSL2/ADSL2+ port and One Ethernet WAN port (WAN 1: VDSL2/ADSL2+, WAN 2: Gigabit Ethernet)
- Six Gigabit Ethernet LAN ports
- Two USB ports for File System, USB printer and 3.5/4G USB mobile network
- WAN load-balancing & WAN Failover
- Up to 32 simultaneous IPsec/PPTP/L2TP VPN Tunnels
- VPN Trunking (VPN backup & VPN load-balancing)
- Up to 4 WAN/LAN-side IP subnets
- QoS and Robust Firewall including Web Content Filtering
- Implemented WLAN AP Management on n models
- IPv4 & IPv6 Dual Stack
- Working with Smart Monitor Traffic Analyzer (Up to 30 nodes)

WLAN model: Vigor2860n(2.4GHz), Vigor2860n plus (selectable 2.4/5 GHz)
VoIP model with WLAN: Vigor2860Vn (2.4GHz) and Vigor2860Vn plus (selectable 2.4/5 GHz)

Vigor2850 Series

VDSL2/ ADSL2/2+ highly integrated service router

- ADSL port and One Ethernet WAN port
  (WAN 1: 10/100 Based-Tx, WAN 2: Gigabit Ethernet)
- Four Gigabit Ethernet LAN ports and One USB port
- One USB port for File System, USB printer and
  3.5/4G USB mobile network
- WAN load-balancing & WAN Failover
- Up to 32 simultaneous IPsec/PPTP/L2TP VPN Tunnels
- VPN Trunking (VPN backup & VPN load-balancing)
- Up to 4 WAN/LAN-side IP subnets
- QoS and Robust Firewall including
  Web Content Filtering
- IPv4 & IPv6 Dual Stack
- Working with Smart Monitor Traffic Analyzer
  (Up to 30 nodes)

WLAN model: Vigor2850n(selectable 2.4/5 GHz)
VoIP model with WLAN: Vigor2850Vn (selectable 2.4/5 GHz)

Vigor2830 Series

ADSL2/2+ highly integrated service router

- ADSL port and One Ethernet WAN port
  (WAN 1: 10/100 Based-Tx, WAN 2: Gigabit Ethernet)
- Four Gigabit Ethernet LAN ports
- One USB port for File System, USB printer and
  3.5/4G USB mobile network
- WAN load-balancing & WAN Failover
- Up to 32 simultaneous IPsec/PPTP/L2TP VPN Tunnels
- Support VPN Backup
- Up to 4 WAN/LAN-side IP subnets
- QoS and Robust Firewall including
  Web Content Filtering
- IPv4 & IPv6 Dual Stack
- Working with Smart Monitor Traffic Analyzer
  (Up to 30 nodes)

WLAN model: Vigor2830n (with 2.4GHz) and Vigor2830n plus (selectable 2.4/5 GHz)
VoIP model with WLAN: Vigor2830Vn (with 2.4GHz) and Vigor2830Vn plus (selectable 2.4/5 GHz)

Vigor2820 Series
ADSL2/2+ highly integrated service router

- ADSL port and One Ethernet WAN port
  (WAN 1: ADSL port, WAN2: 10/100 Based-Tx)
- Three 10/100 Based-Tx Ethernet LAN ports and
  One 10/100/1000 Based-Tx Ethernet LAN port
- One USB port for File System, USB printer and
  3.5/4G USB mobile network
- WAN load-balancing & WAN Failover
- Up to 32 simultaneous IPsec/PPTP/L2TP VPN Tunnels
- QoS and Robust Firewall including Web Content Filtering

WLAN model: Vigor2820n (with 2.4GHz)
VoIP model with WLAN: Vigor2820Vn (with 2.4GHz) and Vigor2820VSn (with ISDN S0 interface)

Vigor*IPPBX* 2820 Series
ADSL2/2+ router

- ADSL port and One Ethernet WAN port
  (WAN 1: ADSL port, WAN2: 10/100 Based-Tx)
- Three 10/100 Based-Tx Ethernet LAN ports and
  One 10/100/1000 Based-Tx Ethernet LAN port
- One USB port for File System, USB printer and
  3.5/4G USB mobile network
- WAN load-balancing & WAN Failover
- Up to 32 simultaneous IPsec/PPTP/L2TP VPN Tunnels
- QoS and Robust Firewall including Web Content Filtering
- Implemented IP PBX functionality
- Support 50-IP extensions
- Working with DrayTek Softphone

WLAN model: Vigor*IPPBX* 2820n (with 2.4GHz)

Vigor2760 Series
VDSL2/ADSL2/2+ router

- VDSL2/ADSL2+ port
- Four Gigabit Ethernet LAN ports
- Two USB ports for File System, USB printer and 3.5/4G USB mobile network
- Two simultaneous IPsec/PPTP/L2TP VPN Tunnels
- QoS and Robust Firewall including Web Content Filtering
- IPv4 & IPv6 Dual Stack

WLAN model: Vigor2760n(2.4GHz), Vigor2760n plus (selectable 2.4/5 GHz)
VoIP model with WLAN: Vigor2760Vn (2.4GHz) and Vigor2760Vn plus (selectable 2.4/5 GHz)

Vigor2750 Series
VDSL2/ADSL2/2+ router

- One VDSL2/ADSL2+ port
- Four Gigabit Ethernet LAN ports
- Two USB ports for File System, USB printer and 3.5/4G USB mobile network
- Two simultaneous IPsec/PPTP/L2TP VPN Tunnels
- QoS and Robust Firewall including Web Content Filtering
- IPv4 & IPv6 Dual Stack

WLAN model: Vigor2750n(2.4GHz)
VoIP model with WLAN: Vigor2750Vn (2.4GHz)

Vigor2710 Series
ADSL2/2+ router

- One ADSL2/2+ port
- Four 10/100 Based-Tx Ethernet LAN ports and One USB port
- One USB port for File System, USB printer and 3.5/4G USB mobile network
- Two simultaneous IPsec/PPTP/L2TP VPN Tunnels
- QoS and Robust Firewall including Web Content Filtering
- IPv4 & IPv6 Dual Stack

WLAN model: Vigor2710n(2.4GHz)
VoIP model with WLAN: Vigor2710Vn (2.4GHz) and Vigor2710VDn (2.4GHz)

Vigor2710e/ne
ADSL2/2+ router

- One ADSL2/2+ port
- Four 10/100 Based-Tx Ethernet LAN ports
- QoS and Robust Firewall including Web Content Filtering
- Equipped with 802.11n WLAN (2.4GHz) on Vigor2710ne

Vigor130
VDSL2/ADSL2/2+ router

- One VDSL2/ADSL2+ port
- One10/100/1000 Based-Tx Ethernet LAN port
- QoS and Robust Firewall

Vigor120
ADSL2/2+ router

- One ADSL2+ port
- One10/100 Based-Tx Ethernet LAN port
- QoS and Robust Firewall

More Info:

Vigor2130 Series
Gigabit broadband router

- One Gigabit Ethernet WAN port
- Four Gigabit Ethernet LAN ports
- Two USB ports for File System, USB printer and 3.5/4G USB mobile network
- Two simultaneous IPsec/PPTP/L2TP VPN Tunnels
- QoS and Robust Firewall including Web Content Filtering
- IPv4 & IPv6 Dual Stack

WLAN model: Vigor2130n(2.4GHz)
VoIP model with WLAN: Vigor2130Vn (2.4GHz)

Vigor2110 Series
Broadband router

- One 10/100Based-Tx WAN port
- Four 10/100 Based-Tx Ethernet LAN ports
- One USB port for File System, USB printer and 3.5/4G USB mobile network
- Two simultaneous IPsec/PPTP/L2TP VPN Tunnels
- QoS and Robust Firewall including Web Content Filtering
- IPv4 & IPv6 Dual Stack

WLAN model: Vigor2110n(2.4GHz)
VoIP model with WLAN: Vigor2110Vn (2.4GHz)

VigorFly 210
Broadband router

- One 10/100 Based-Tx WAN port
- One USB port for 3.5/4G USB mobile
- Four 10/100 Based-Tx Ethernet LAN ports
- QoS and Robust Firewall including Web Content Filtering
- Equipped with 802.11n WLAN (2.4GHz)

Vigor2130F Series
Fiber router

- One SFP port for 100/1000 Mbps Fiber Feed
- Four Gigabit Ethernet LAN ports
- Two USB ports for File System, USB printer and 3.5/4G USB mobile network
- Two simultaneous IPsec/PPTP/L2TP VPN Tunnels
- QoS and Robust Firewall including Web Content Filtering
- IPv4 & IPv6 Dual Stack

WLAN model: Vigor2130Fn(2.4GHz)
VoIP model with WLAN: Vigor2130FVn (2.4GHz)

More Info:

Vigor2110F Series
Fiber router

- One SFF port for 100 Mbps Fiber Feed
- Four 10/100 Based-Tx Ethernet LAN ports
- One USB port for File System, USB printer and 3.5/4G USB mobile network
- Two simultaneous IPsec/PPTP/L2TP VPN Tunnels
- QoS and Robust Firewall including Web Content Filtering
- IPv4 & IPv6 Dual Stack

WLAN model: Vigor2110Fn(2.4GHz)
VoIP model with WLAN: Vigor2110FVn (2.4GHz)

VigorFly 210F
Fiber router

- One SFP port for 100 Mbps Fiber Feed
- One USB port for 3.5/4G USB mobile
- Four 10/100 Based-Tx Ethernet LAN ports
- QoS and Robust Firewall including Web Content Filtering
- Equipped with 802.11n WLAN (2.4GHz)

Vigor1000 Series
Fiber router

- One Fiber port for 100/1000 Mbps Fiber Feed
  (The said fiber port can be SC interface or SFP interface)
- Four Gigabit Ethernet LAN ports
- Two USB ports for File System, USB printer and
  3.5/4G USB mobile network
- Two simultaneous IPsec/PPTP/L2TP VPN Tunnels
- QoS and Robust Firewall including
  Web Content Filtering
- IPv4 & IPv6 Dual Stack

WLAN model: Vigor1000n(2.4GHz)
VoIP model with WLAN: Vigor1000Vn (2.4GHz)

Vigor*IPPBX* 3510
Broadband router with IP PBX

- One 10/100 Based-Tx Ethernet port
- Four 10/100 Based-Tx Ethernet LAN ports
- One USB port for File System, USB printer and 3.5/4G USB mobile network
- Up to 32 simultaneous IPsec/PPTP/L2TP VPN Tunnels
- QoS and Robust Firewall including Web Content Filtering
- Implemented IP PBX functionality
- Support 100 IP extensions
- Working with DrayTek Softphone

More Info:

VigorAP 900
802.11n Access Point

- Support 802.11n WLAN concurrent 2.4/5 GHz
- 5 x Giga Port
- 1 x PoE with Giga Ethernet
- 1 x USB 2.0 Port
- 4 x SSID with Tag-based VLAN
- WDS
- WMM
- Support AP/Station/WDS/Universal Repeater Mode
- Support WEP 64/128 bit, WPA/WPA2 and
  RADIUS Encryption
- Internal/External RADIUS Authentication
- Dual DHCP Server for Wired/Wireless Service
- Wireless Client Limitation
- WLAN Bandwideth Limitation (per SSID)
- Support USB Sharing (Storage & Printer)
- Support Vigor AP Management
- Compliance with VigorACS SI

VigorAP 800
802.11n Access Point

- PoE Wi-Fi (802.11n) Access Point
- WMM (Wi-Fi Multimedia)
- 2.4 GHz/5 GHz
  (with DrayTek N65 5GHz USB dongle)
- Four SSID & Two VLAN Groups
- Built-In Radius Server
- WDS (Wireless Distribution System)

VigorAP 700
802.11n Access Point

- Wi-Fi Access Point
- Four SSID
- Built-In Radius Server

Wireless Accessories

Vigor N65 5GHz 802.11n USB Adapter

- Compatible with 802.11a/b/g/n standard
- Up to 300Mbps

Antenna
Series

Model	ANT-1107	ANT-2309	ANT-2510
Description	2.4G Omni-Directional Antenna	2.4G Directional Corner Antenna	2.4G Directional Patch Antenna
Environment	Indoor	Indoor	Indoor / Outdoor
Frequency Range	2.4~2.5 GHz	2.4 ~2.4835 GHz	2.4~ 2.4835 GHz
Gain	7dBi	9 dBi	10 dBi
VSWR	≦2.0	≦2.0	≦2.0
Polarization	Vertical	Vertical	Vertical
HPBW/Horizontal	360°	64.3°	56.9°
HPBW/Vertical	22.3°	64.3°	56.9°
Power Handling	2W	2W	2W
Impedance	50Ω	50Ω	50Ω
Connector	Reverse SMA	Reverse SMA	Reverse SMA
Extension Cable	Detachable stand with 1M cable	1M	1M
Dimension (LxWxH) mm	ø 14.5 x 265	125 x 100.5 x 50.2	120.6 x 120.6 x 27

DrayTek Rack-mount Plate

The metal rack-mount plate is designed for sustaining the device of Vigor2820/Vigor2830/Vigor2850/Vigor2860/Vigor2920/Vigor3200 series inside the 19-inch cabinet.

VigorSwitch G2260

Enterprise-level Gigabit Ethernet Switch

- Twenty 10/100/1000Base-Tx ports (20 Gigabit Ethernet ports) for LAN
- Fiber connectivity for the backbone: 2 SFP ports and 4 Combo UTP/SFP ports
- Advanced security for remote access, IP Source Guard, 802.1x access control, etc
- Access Control List (ACL) to prevent unauthorized access
- VLAN features provide both security and performance
- Dedicated Voice VLAN to prioritize voice traffic automatically
- Advanced QoS for application traffic prioritization
- Preset options for IP Phone, IP Camera, Wireless devices, etc
- UPnP for simple connectivity
- Power saving by 802.3az Energy Efficient Ethernet
- sFlow sampling protocol monitors network traffic without interrupting data flow
- IPv6 and IPv4 conformity for the next generation network

VigorSwitch P2261

24+2 Port PoE Managed Switch

- Twenty 10/100/1000Base-Tx ports (20 Gigabit Ethernet ports) for LAN
- Fiber connectivity for the backbone: 2 SFP ports and 4 Combo UTP/SFP ports
- Advanced security for remote access, IP Source Guard, 802.1x access control
- Access Control List (ACL) to prevent unauthorized access
- VLAN features provide both security and performance
- Dedicated Voice VLAN to prioritize voice traffic automatically
- Advanced QoS for application traffic prioritization
- Preset options for IP Phone, IP Camera, Wireless devices
- UPnP for simple connectivity
- Power saving by 802.3az Energy Efficient Ethernet
- sFlow sampling protocol monitors network traffic without interrupting data flow
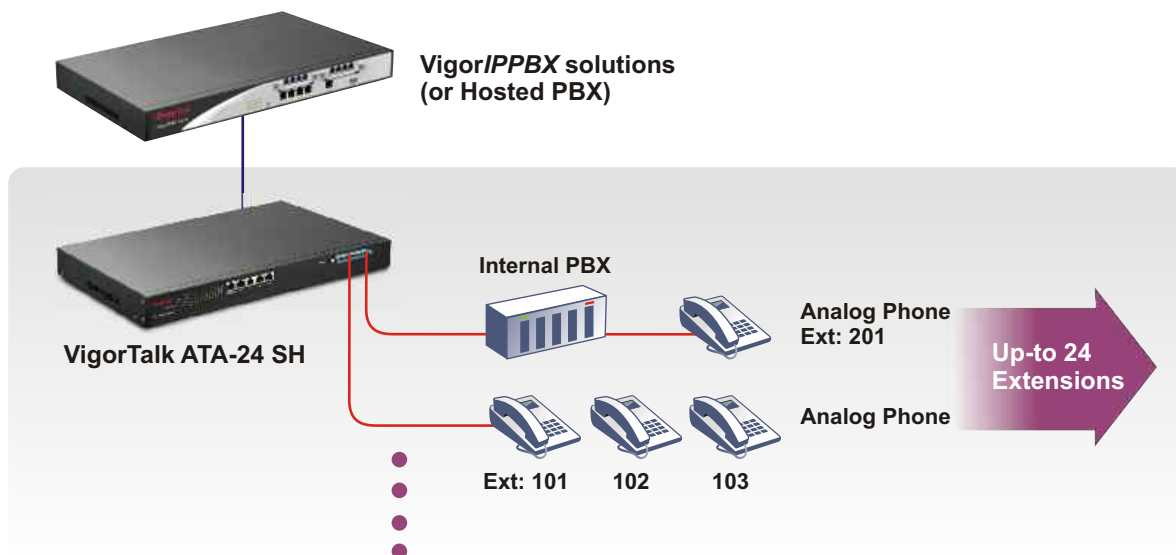- IPv6 and IPv4 conformity for the next generation network

VigorTalk ATA -24 SH (Short Haul)
24 Port Analogue Telephone Adapter

- 24 x ATA with Champ Connector for easy wiring
- Denial-of-Service (DoS) for securing against intruders/attackers
- Bandwidth-guarantee and high stability for VoIP
- Easy installation, configuration, and management through user-friendly WEB interface and VigorCMS
- EMS management (VigorCMS) for configuration management, topology, management, security management, fault management and backup/restore storage management
- High availability provides a non-stop and reliability network access devices
- Short haul solution can reach 1Km(3.3Kft)
- High quality VoIP calls and supplementary service

Vigor*IPPBX* solutions
(or Hosted PBX)

Internal PBX

VigorTalk ATA-24 SH

Analog Phone
Ext: 201

Up-to 24
Extensions

Analog Phone

Ext: 101   102   103
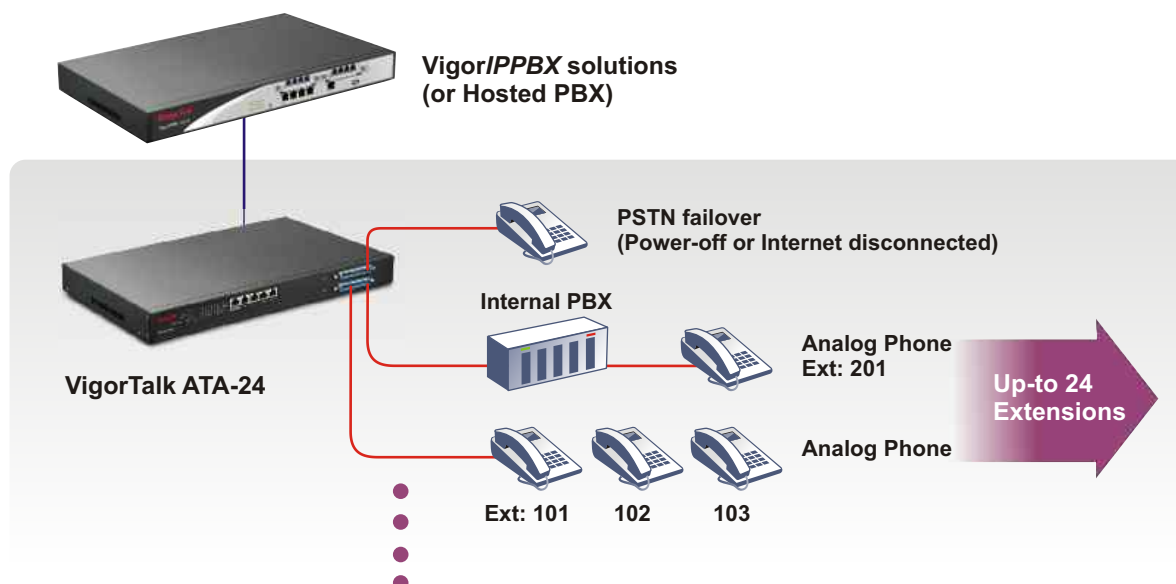
Short haul solution can reach 1Km (3.3Kft).

VigorATA 24 SH also supports the stackable application to add more extensions if needed.

More Info:

VigorTalk ATA -24 (Long Haul)
24 Port Analogue Telephone Adapter

- 24 x ATA with Champ Connector for easy wiring
- Denial-off-Service (DoS) for securing against intruders/attackers
- Bandwidth-guarantee and high stability for VoIP
- Easy installation configuration , and management through user-friendly WEB interface and VigorCMS
- EMS management (VigorCMS) for configuration management, topology management, security management, fault management and backup / restore storage management
- High availability provides a non-stop and reliability network access devices
- Long Haul solution can reach 5.5Km (18Kft)
- Support 12K/16K Hz tone metering
- Support PSTN failover
- High quality VoIP calls and supplementary service

Long haul solution can reach 5.5Km (18Kft).

VigorATA 24 also supports the stackable application to add more extensions if needed.

DrayTek

Your reliable networking solutions partner

FTTx

VPN

IP PBX

VDSL2

ACS Central Management

ADSL2+

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