DrayTek

Business and Home Networking Solutions

Fiber

VPN

IP PBX

VDSL2

ACS

Central Management

ADSL2+

Index

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

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

Broadband

Vigor3900	**Central Site VPN Gateway for medium-size businesses**	
Vigor2960	**Dual-WAN Security Firewall**	
Vigor*IPPBX* 3510	**Security Router with IP PBX**	
Vigor3300V plus	**MultiWAN with VoIP**	
Vigor3200	**MultiWAN**	**VigorACS SI**
Vigor2920Vn	**Dual WAN with VPN/Firewall**	**Centralized Management system**
Vigor2130Vn	**Gigabit WAN for home multimedia**	
Vigor2110Vn	**Broadband Router for DSL modem**	
VigorFly 210	**Ideal for 3G/WiMAX/LTE**	

VDSL2

	Vigor2850Vn	**VDSL2 Security Router**
	Vigor2760Vn	**VDSL2 IAD**

ADSL2+

	Vigor*IPPBX* 2820	**ADSL2+ Security Router with IPPBX**
	Vigor2830Vn	**Giga WAN/LAN High-integrated service router**
	Vigor2820Vn	**ADSL2+ Security Router for professionals**
	Vigor2710Vn	**IAD for SOHO**
	Vigor2710ne	**IAD for home**
	VigorAP 800	**PoE WLAN Access Point with Dual LAN**

VigorACS SI

Centralized Management System

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VigorACS SI

Centralized Management System

TR-069
Management System
for Vigor series routers

Dray Tek

VigorACS

Your reliable networking solutions partner

Essentials

Network: Wholenetwork

Network | View | VPN

Networks and Devices

▼ Wholenetwork(84)
- uknetwork(1)
- itnetwork(11)
- tknetwork(9)
- usanetwork(0)
- gmnetwork(0)
- bmnetwork(4)
- mxnetwork(6)
- amnetwork(2)
- grnetwork(0)
- plnetwork(3)
- mbnetwork(6)

Wizards

Reports

Inventory Monitor

Search Device

Networks And Devices

Managed networks and devices

Total number of networks:25

Alarm networks:8

Total number of devices:3

Number of alarmed devices:3

Unknown Devices

IP Address	Device Name	Device Type	Action
189.146....	V5510 MEX	VigorPro 5510	➕
77.52.3....	DrayTek_005...	Vigor2910VG	➕
140.137....	DrayTek_005...	Vigor2950 Serie:	➕

Latest Alarms

Level	Time	Device Name	Network	Description	Action
Critical	Sun Jul 17 08:54:2'	V5510 MEX	Wholenetwork	DeviceLossConnection	
Critical	Sat May 28 00:40:5	DrayTek_00507F_V...	Wholenetwork	DeviceLossConnection	
Critical	Sat May 28 00:40:3	DrayTek_00507F_V...	Wholenetwork	DeviceLossConnection	

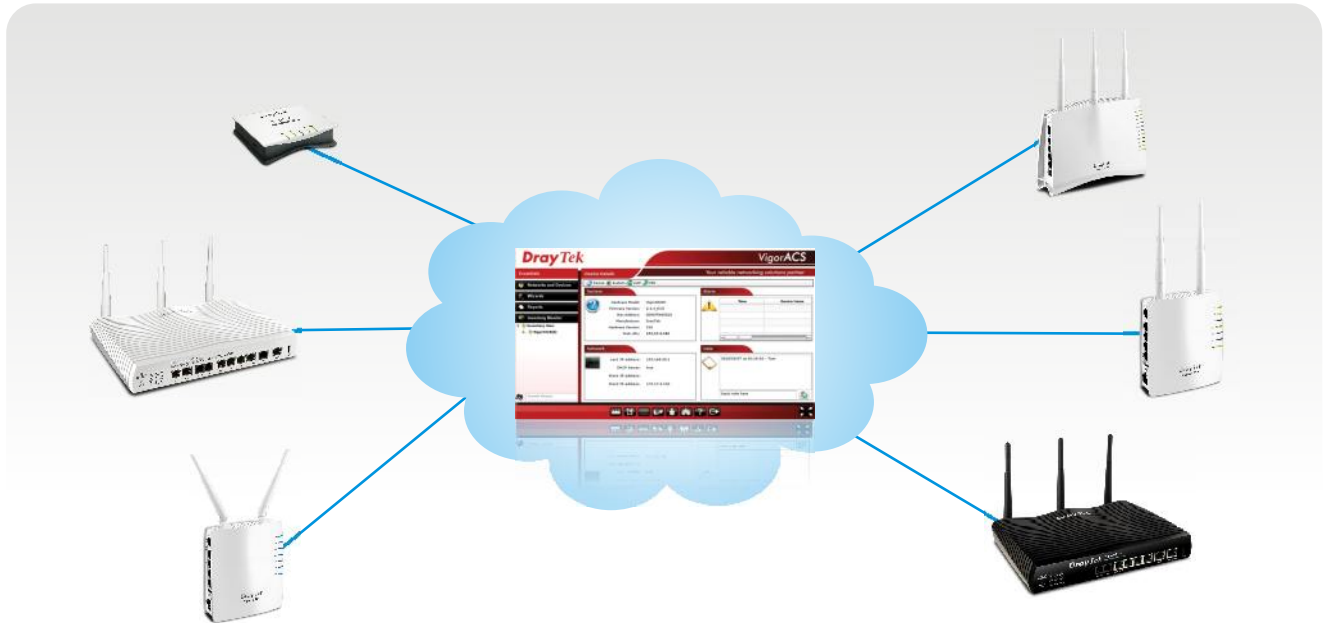| Device	Alarm	Log	Provision	Admin	User	Help	Logout

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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

acs.draytek.eu

Network Traffic Analyzer

DrayTek   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	To
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

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

User Analysis

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

working with   Vigor 2820   Vigor 2830   Vigor 2920   Vigor 2930   Vigor 2950   Vigor 2955   Vigor 3200   VigorPro 5510

Business Solutions

Mid-size business

Vigor3900

Central Site VPN Gateway

• **Giga WAN**   • **Fiber (WAN)**

Vigor3900

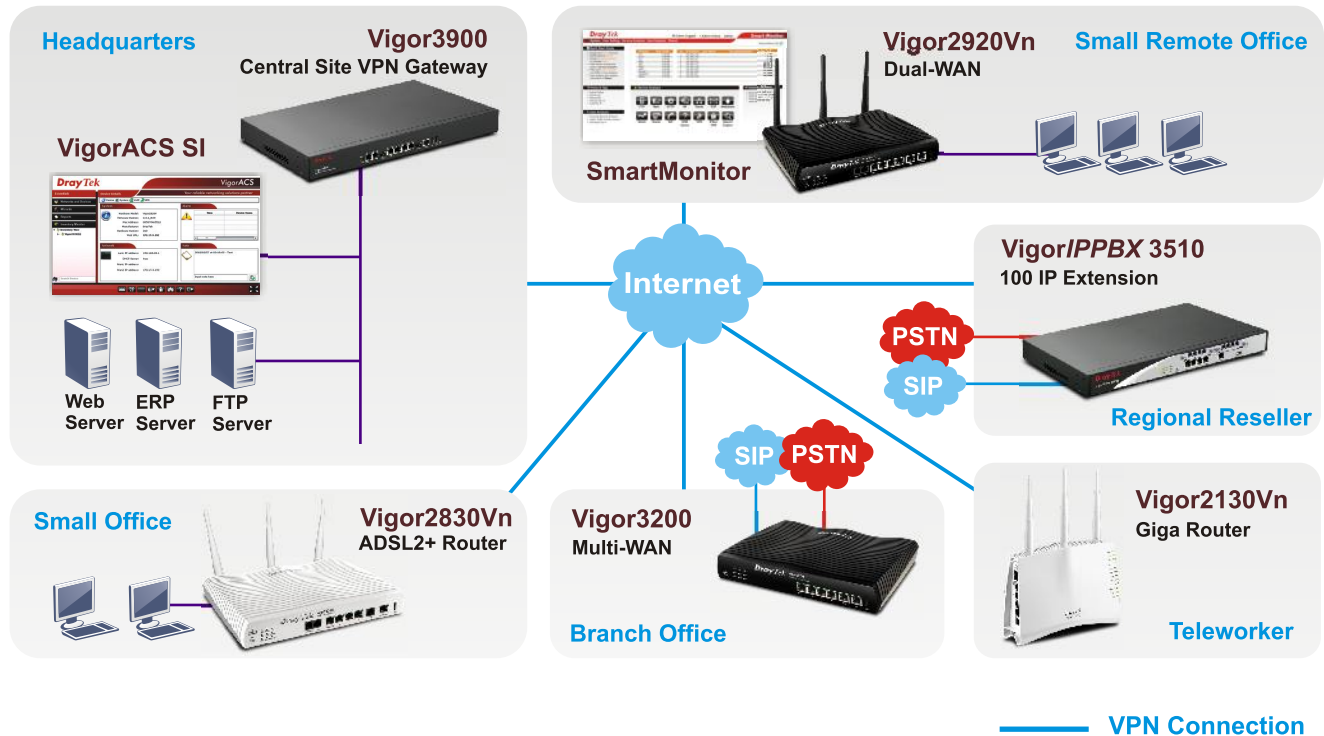- Four Gigabit Ethernet WAN ports
- Gigabit SFP Module WAN port
- Gigabit SFP Mopdule LAN Port
- Two Gigabit Ethernet LAN ports
- Up to 500 simultaneous IPSec/PPTP/L2TP Tunnels
- WAN Load Balancing & WAN Failover
- VPN backup
- High Availability
- User Management
- Native IPv4 & IPv6 support
- Professional Firewall & QoS
- 802.1q Tagged and port-based VLANs
- Multiple LAN-side private IP subnets

Central Management/VPN & Security

Headquarters

Vigor3900
Central Site VPN Gateway

VigorACS SI

Web Server · ERP Server · FTP Server

Small Office
Vigor2830Vn
ADSL2+ Router

Internet

SmartMonitor

Vigor2920Vn
Dual-WAN

Small Remote Office

Vigor*IPPBX* 3510
100 IP Extension

PSTN
SIP

Regional Reseller

SIP · PSTN

Vigor3200
Multi-WAN

Branch Office

Vigor2130Vn
Giga Router

Teleworker

—— **VPN Connection**

Vigor2960

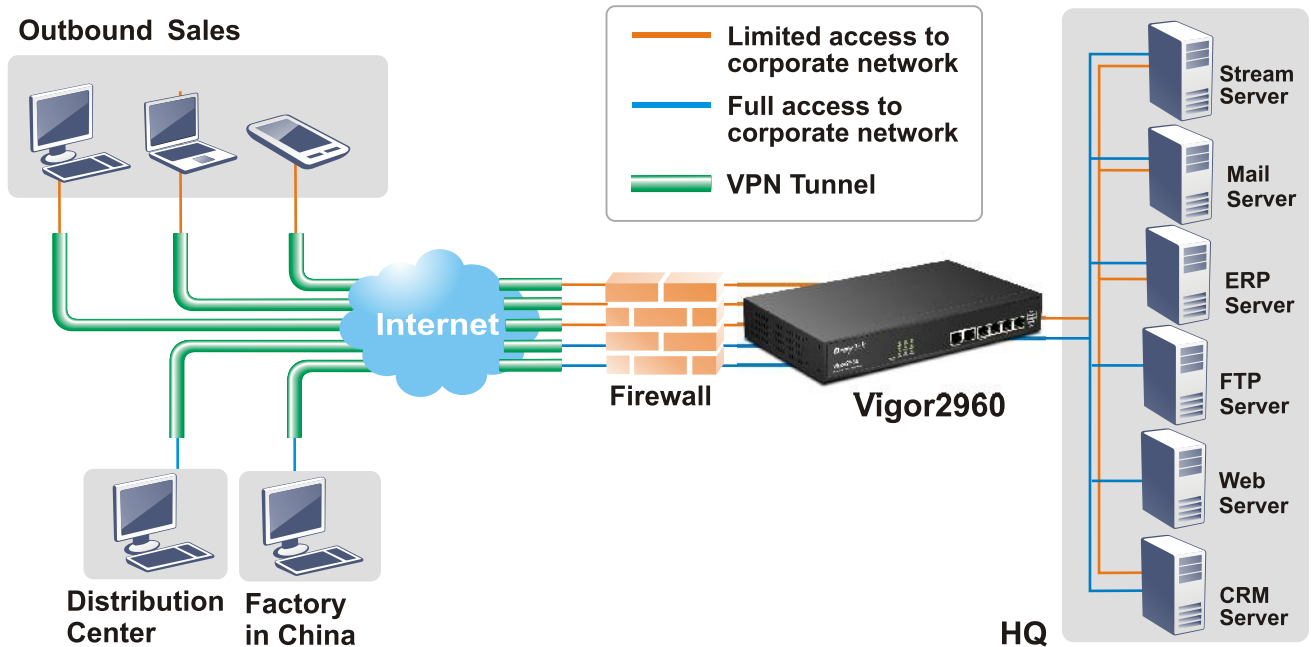## Dual-WAN Security Firewall

- **200 VPN Tunnels**

Vigor2960

- Gigabit Ethernet WAN ports
- Gigabit Ethernet LAN Port
- Up to 200 simultaneous IPSec/PPTP/L2TP Tunnels
- WAN Load Balancing & WAN Failover
- VPN backup
- User Management
- Native IPv4 & IPv6 support
- Professional Firewall & QoS
- 802.1q Tagged and port-based VLANs
- Multiple LAN-side private IP subnets

Robust Firewall with User Management Feature

The User Management feature allows admin to make different level of authentication to different users groups.

Outbound Sales

Limited access to corporate network

Full access to corporate network

VPN Tunnel

Internet

Firewall

Vigor2960

Distribution Center

Factory in China

Stream Server

Mail Server

ERP Server

FTP Server

Web Server

CRM Server

HQ

Vigor3200 Series

Multi-WAN

• **4 Ethernet WAN + 1 USB WAN**

Multi-WAN Load Balancing/Failover

- QoS & Firewall
- 64 VPN Tunnels

ISP1
WAN1

ISP2
WAN2

ISP3
WAN3

ISP4
WAN4

USB
3G/4G USB
device adapter

Internet

FTTx

Vigor1000 Series

SIP Server

VOD Server

Internet

CATV

TV, PPV, Radio Head-end

Fiber Switch

CATV Transmitter

Single Fiber for data

Single Fiber for CATV

Vigor1000Vn

Vigor1000C

VoIP

Data

Coax

IPTV

CATV
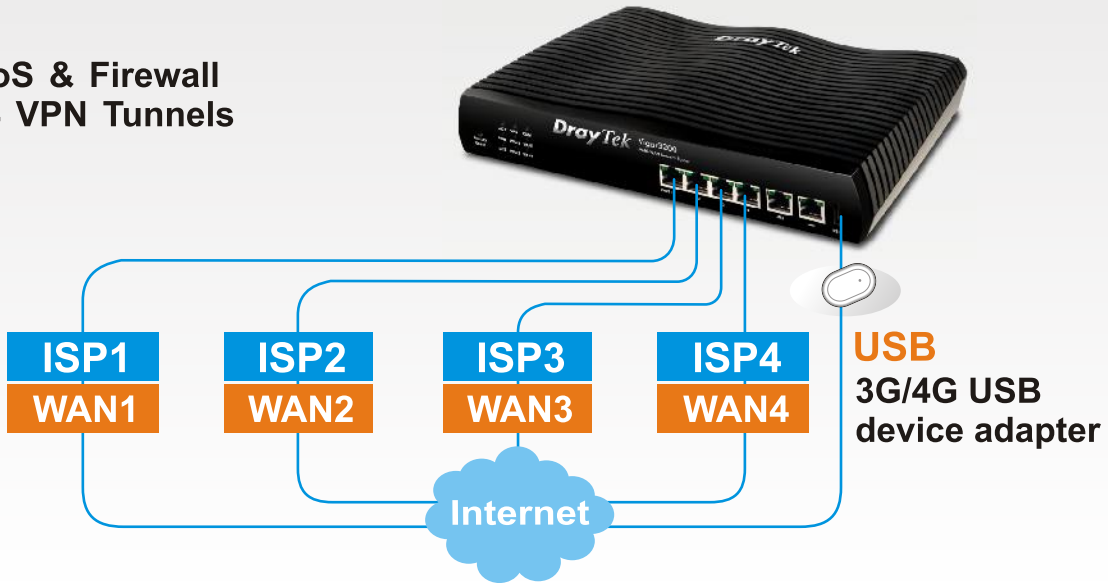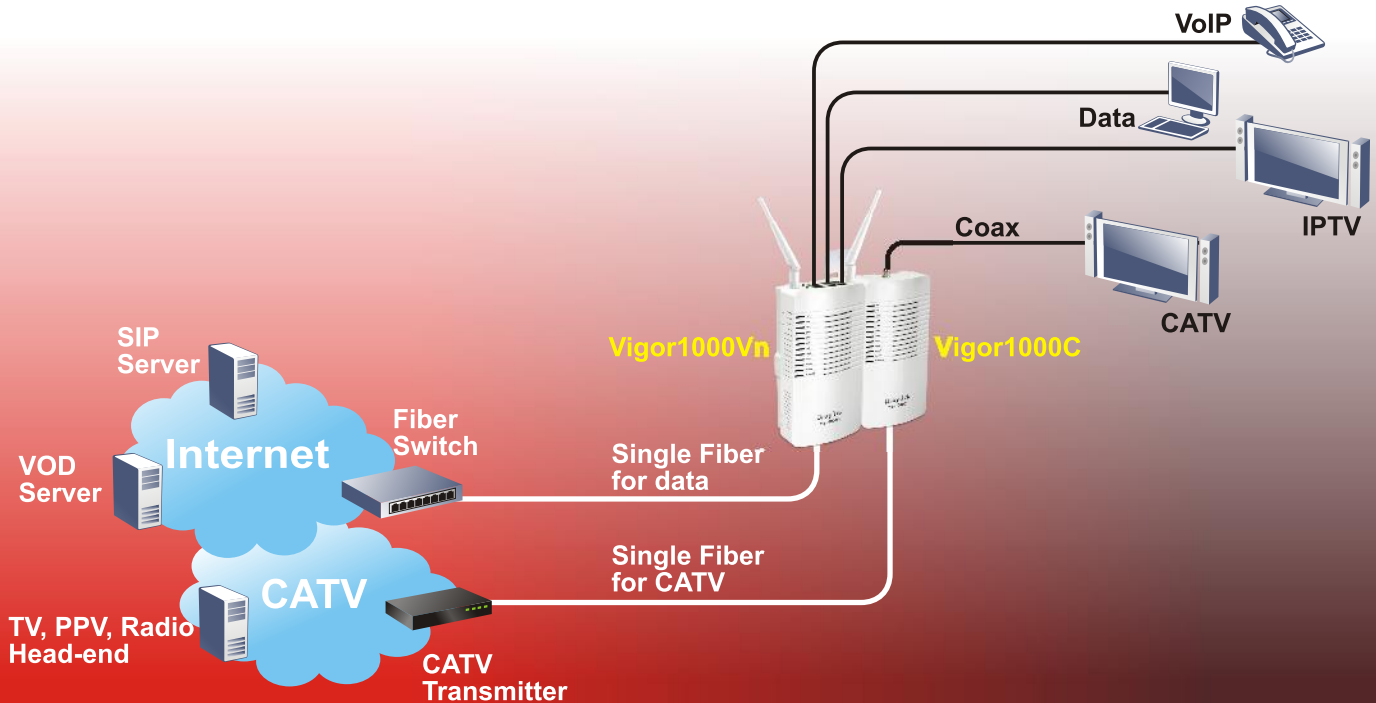
Vigor2920F
Fiber Router

Vigor2110F Series

SFF

Vigor2130F Series

SFP

VigorFly 210FV
Fiber Router
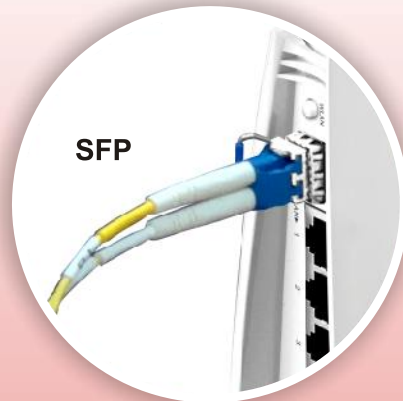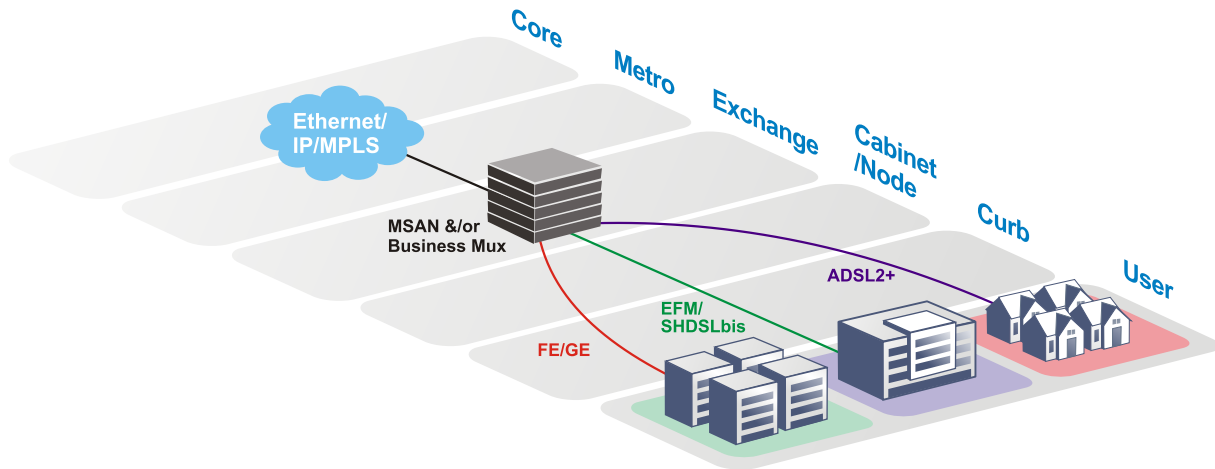
Broadband for SOHO

- Your Internet Service Provider already provided you with a xDSL/cable router.
- You connect DrayTek VPN/Firewall router to the said existing router.

Internet — **xDSL/cable modem**

Broadband Access Today

Core
Metro
Exchange
Cabinet /Node
Curb
User

Ethernet/ IP/MPLS

MSAN &/or Business Mux

FE/GE

EFM/ SHDSLbis

ADSL2+

VPN backup

SPI Firewall

Session Limitation

Dual WAN or Multi WAN Load-balancing/ Failover

QoS

Priority of Traffic

Rate Limitation

Bandwidth Management

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URL Filtering

Central Management

Multi- Subnets (Multiple LAN-side private IP subnets)

Content Security Management

SSL VPN
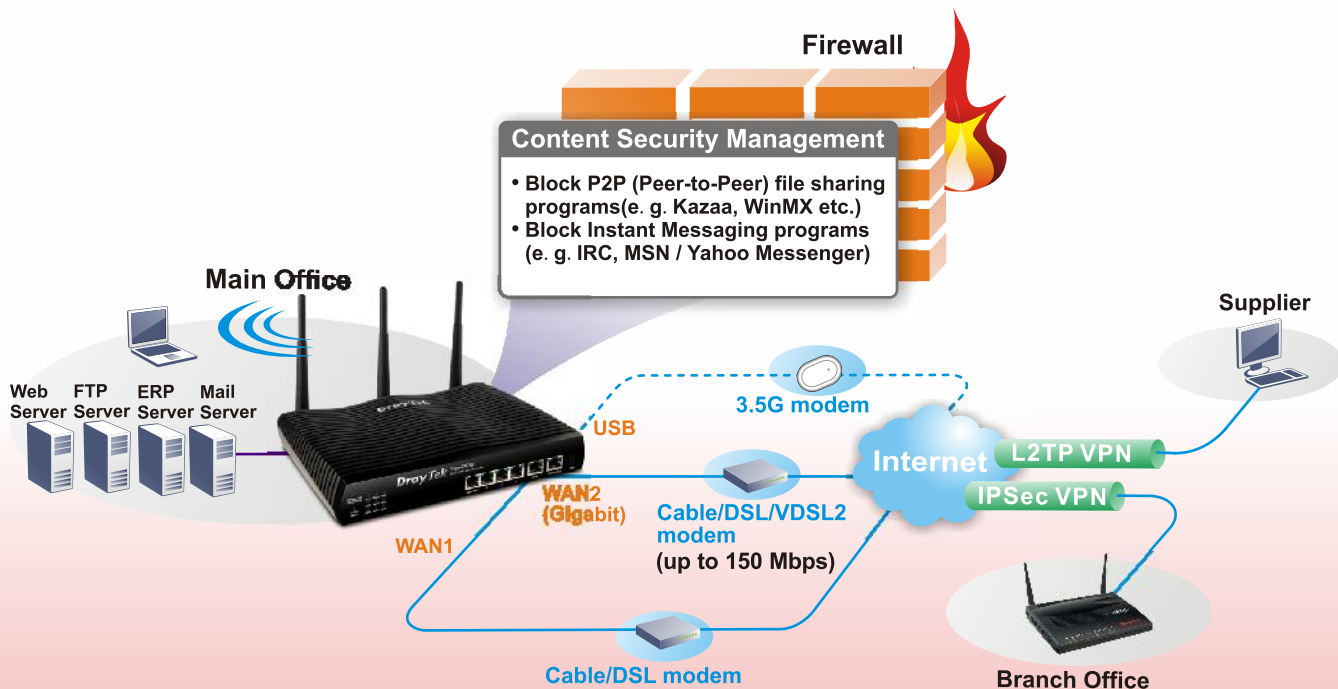
VLAN Prioritisation & 802.1q

VPN load-balancing

Application Blocking

Vigor2920 Series

Dual-WAN Router

• 32 VPN Tunnels

Security & Firewall
Multi-WAN Load Balancing/Failover

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)

Main Office

Supplier

Web   FTP   ERP   Mail
Server Server Server Server

3.5G modem

USB

Internet

L2TP VPN

WAN2
(Gigabit)

Cable/DSL/VDSL2
modem
(up to 150 Mbps)

IPSec VPN

WAN1

Cable/DSL modem

Branch Office

Vigor2130 Series

High Speed Gigabit Router
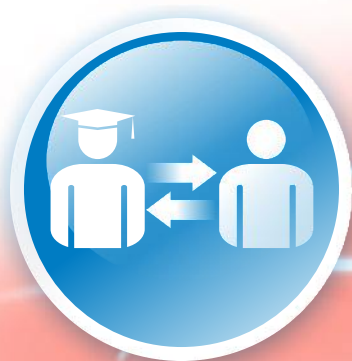
Interactive education

Digital learning

Vigor2110 Series

• **2 VPN Tunnels**

Small business

Home-made bakery

Friend-shared apartment

Coffee shop

Home-based business

VigorFly 210

Music Download **Movie Download** **Internet Surfing** **Multimedia Applications**

Internet

Fixed Line

4G LTE

DrayTek
VigorFly 210

- Wi-Fi Router
- IPv6
- Parent Control

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DrayTek IP PBX Solutions

IP PBX + **Firewall VPN QoS CSM** →
- IP Telephony
- Enhanced Security
- Better Productivity

DrayTek Soft Phone
- Support the ZRTP Key Agreement Protocol (RFC 6189)
- Be reachable wherever you go

Vigor*IPPBX* 2820
- 50 IP Extension
- SIP/PSTN/ISDN Trunking

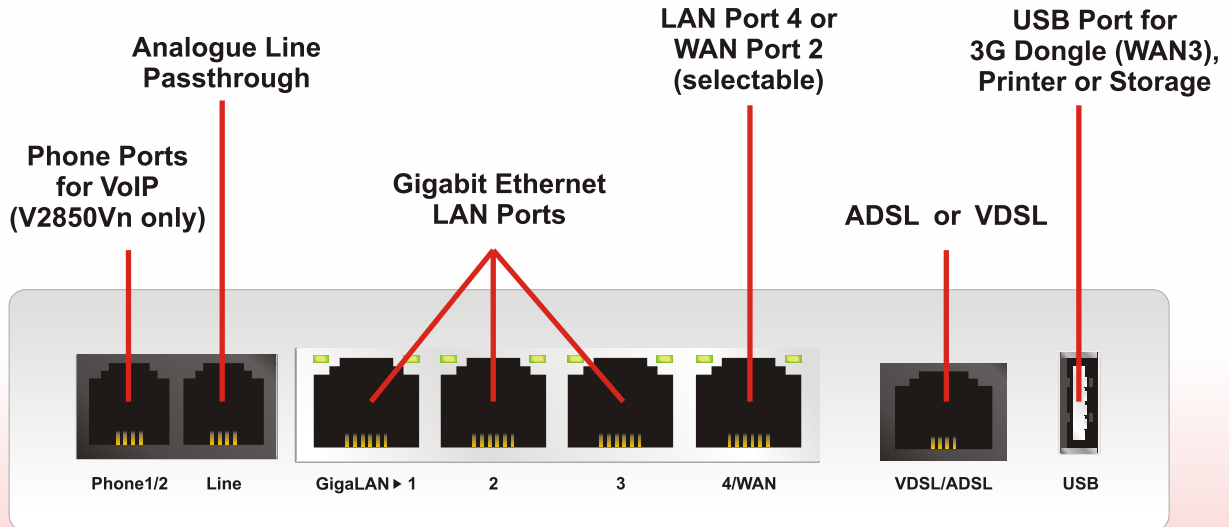### Vigor*IPPBX* 3510
- 100 IP Extension
- SIP/PSTN/ISDN Trunking
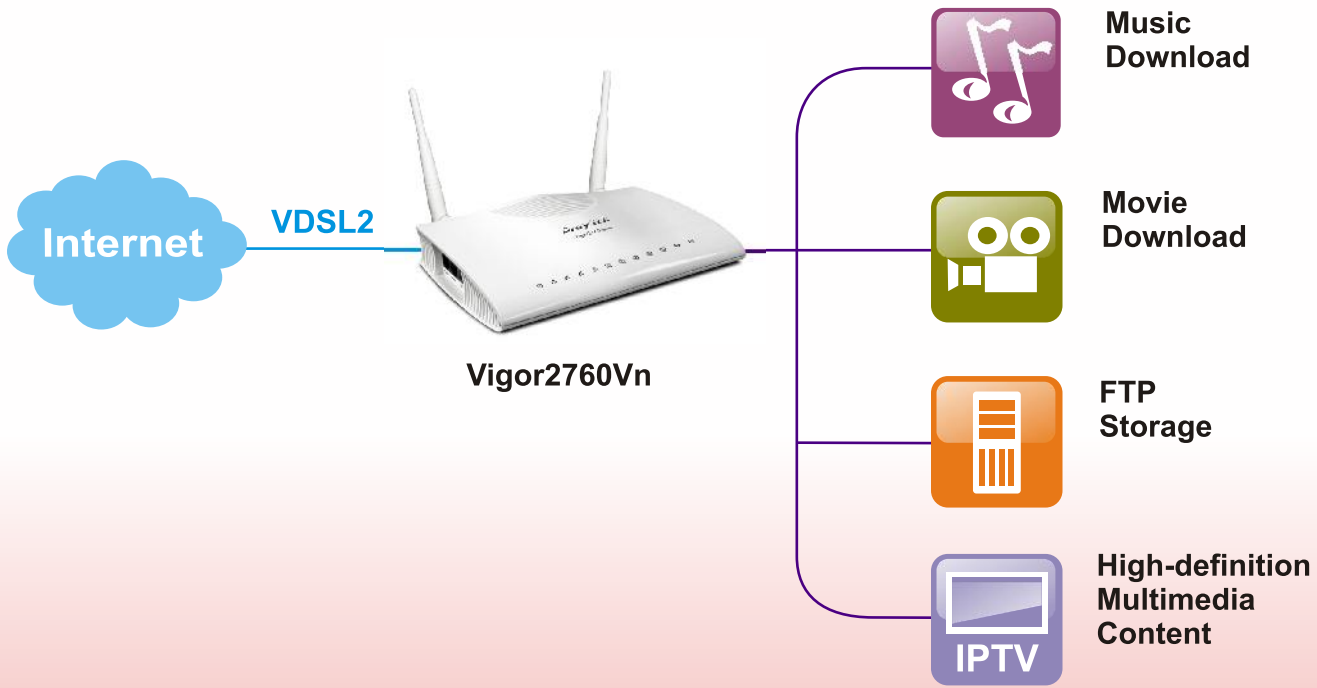
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Next Generation Access: VDSL2

Vigor2850 Series
VDSL2 with ADSL2+

Multi-WAN Load Balancing/Failover

Analogue Line Passthrough

LAN Port 4 or WAN Port 2 (selectable)

USB Port for 3G Dongle (WAN3), Printer or Storage

Phone Ports for VoIP (V2850Vn only)

Gigabit Ethernet LAN Ports

ADSL or VDSL

Phone1/2   Line   GigaLAN ▶ 1   2   3   4/WAN   VDSL/ADSL   USB

Vigor2760 Series
VDSL2 IAD

Internet — VDSL2 — Vigor2760Vn

Music Download

Movie Download

FTP Storage

High-definition Multimedia Content

IPTV

ADSL2/2+

Vigor2700VG

Vigor2820

Vigor2830

Vigor2710

Movie   FTP Storage   E-learning   Sport   TV   Gaming   Radio   E-government

Vigor2830 Series
ADSL2+ Security Router

Security & Firewall
Multi-WAN Load Balancing/Failover

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)

Main Office

Web Server   FTP Server   ERP Server   Mail Server

WAN3 (USB)   3.5G modem

WAN2 (Gigabit)   Cable/DSL/VDSL2 modem (up to 150 Mbps)

WAN1

Internet   L2TP VPN   IPSec VPN

Supplier

DSL Line

Branch Office
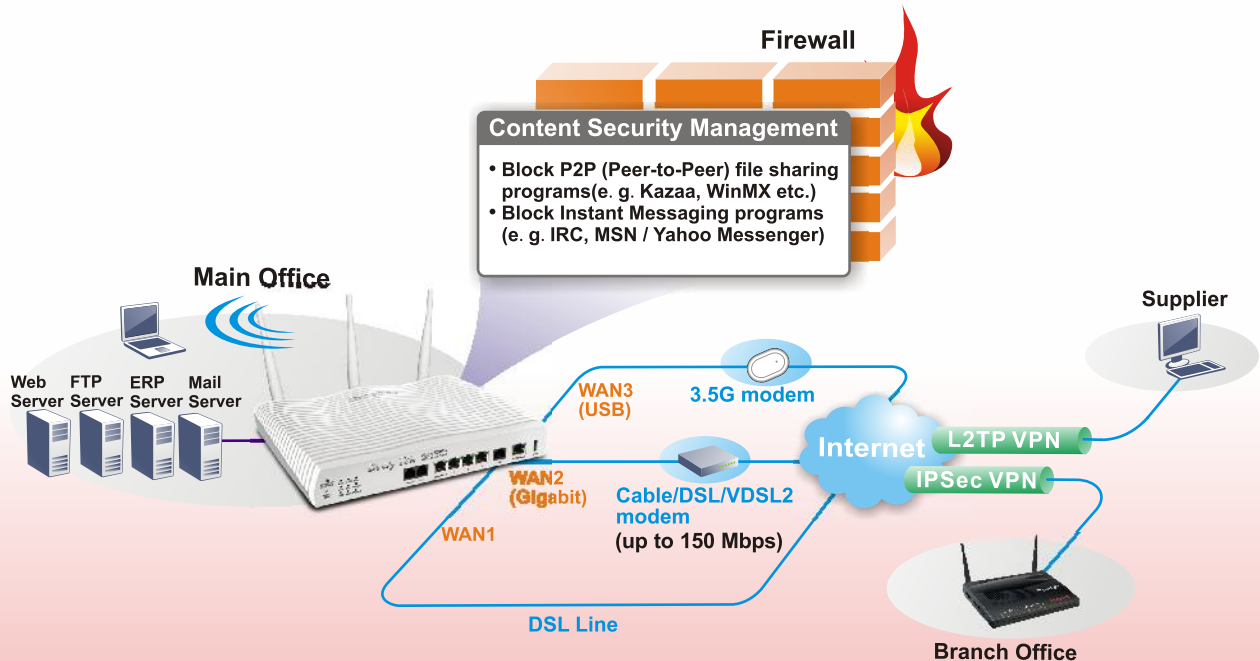
Vigor2710 Series
ADSL2/2+ Firewall Router

WLAN

DECT

ADSL2+

Internet

LAN

PSTN

VoIP

Analog Phone

Printer

3.5G USB Modem

File System
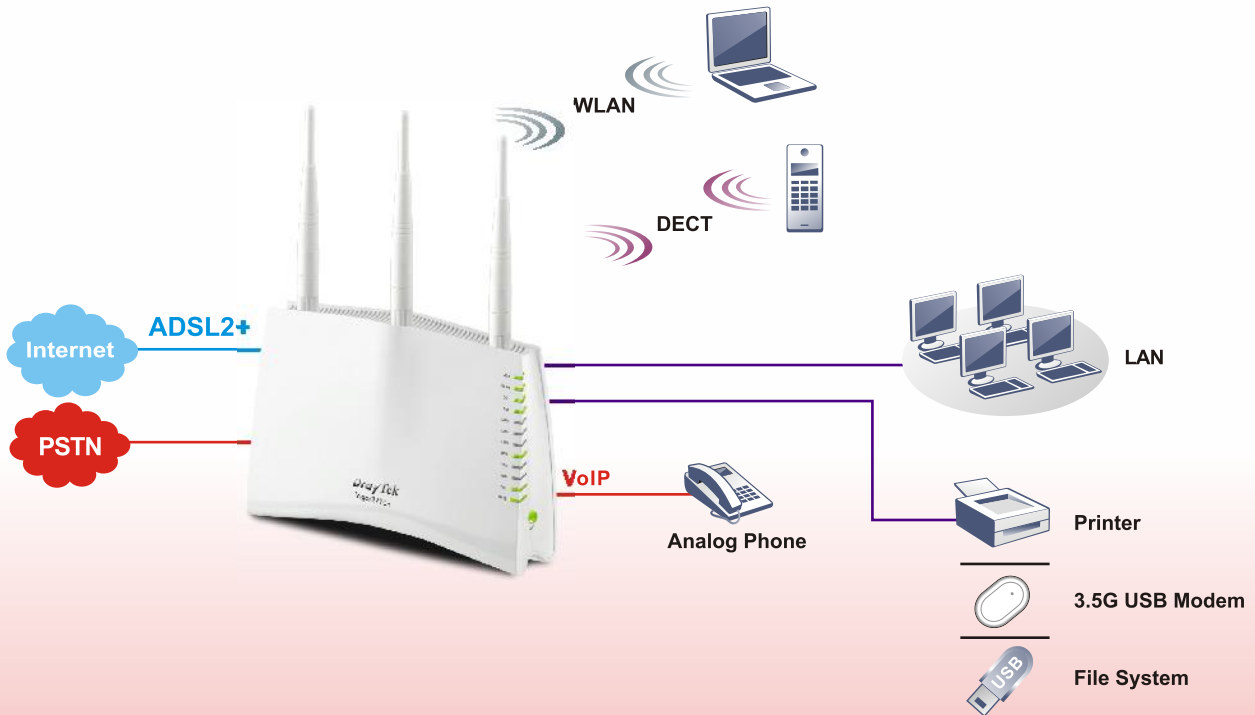
Vigor2710e/ne

ADSL2/2+ Router

Bee rancher

Florist

Farmer market

Dentist

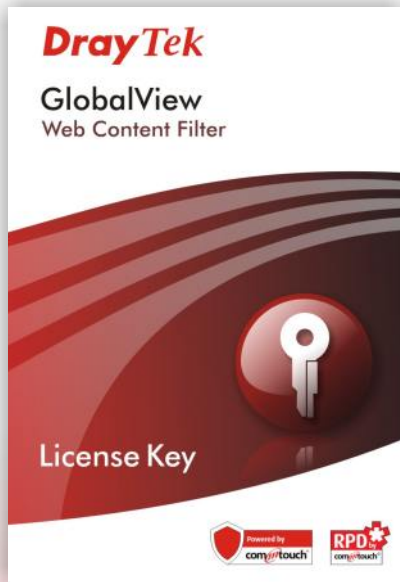**Hair designer**

Web Content Filter license key

- Zero-Hour Security for identifying outbreaks on their way to users, instead of reacting to their pain.
- Innovative Data Cloud Technology for overcoming local storage limitations and satisfying customers' specific needs.
- Unparalleled Accuracy :
  - Customer-oriented classification triggered by every new site customers browse.
  - Routine analysis of site dynamics and user behavior determines scan granularity.
  - Continuous tracking ensures exact classification of each URL at every moment.

Vigor 2110	Vigor 2710	Vigor 2820	Vigor 2830	Vigor 2920	Vigor 2950	Vigor 2955
Vigor 3200	VigorPro 5300	VigorPro 5510	Vigor*IPPBX* 2820	Vigor*IPPBX* 3510	Vigor 3300V/V+	

RADIUS Server on WLAN Access Point

WMM (Wi-Fi Multimedia, QoS for Wi-Fi multimedia streaming)
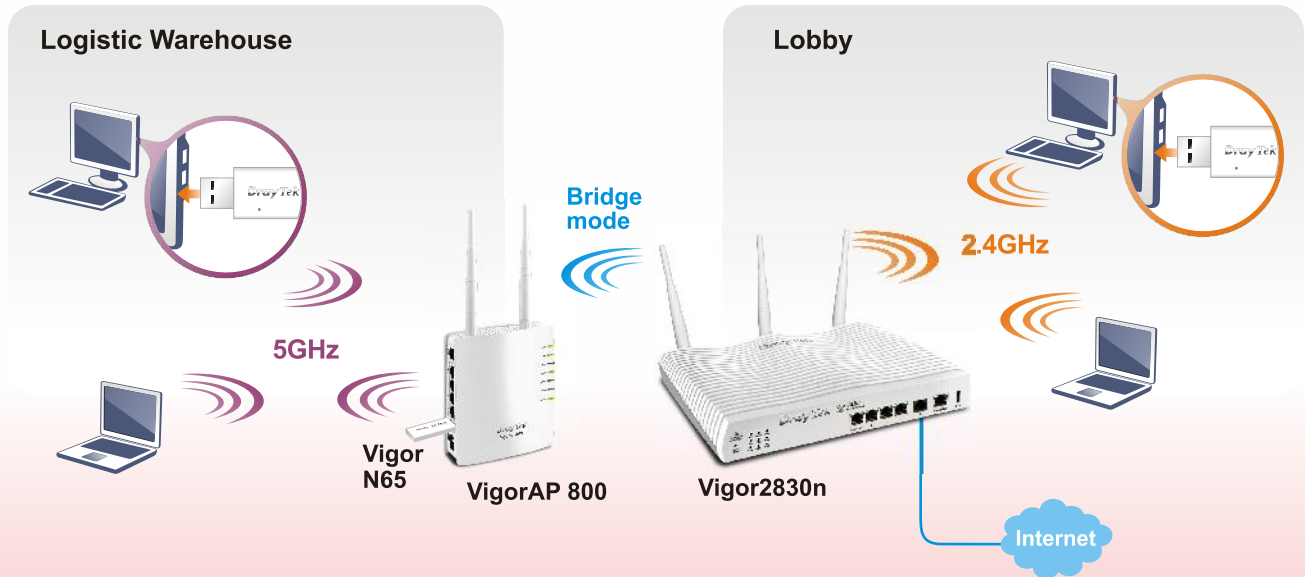
Wi-Fi

WDS

Multiple SSID

Wireless Restricted access list for clients (by MAC address)

VigorAP 800

Enterprise-level

Integration of Vigor2830n WLAN and VigorAP 800

Logistic Warehouse

Bridge mode

5GHz

Vigor N65

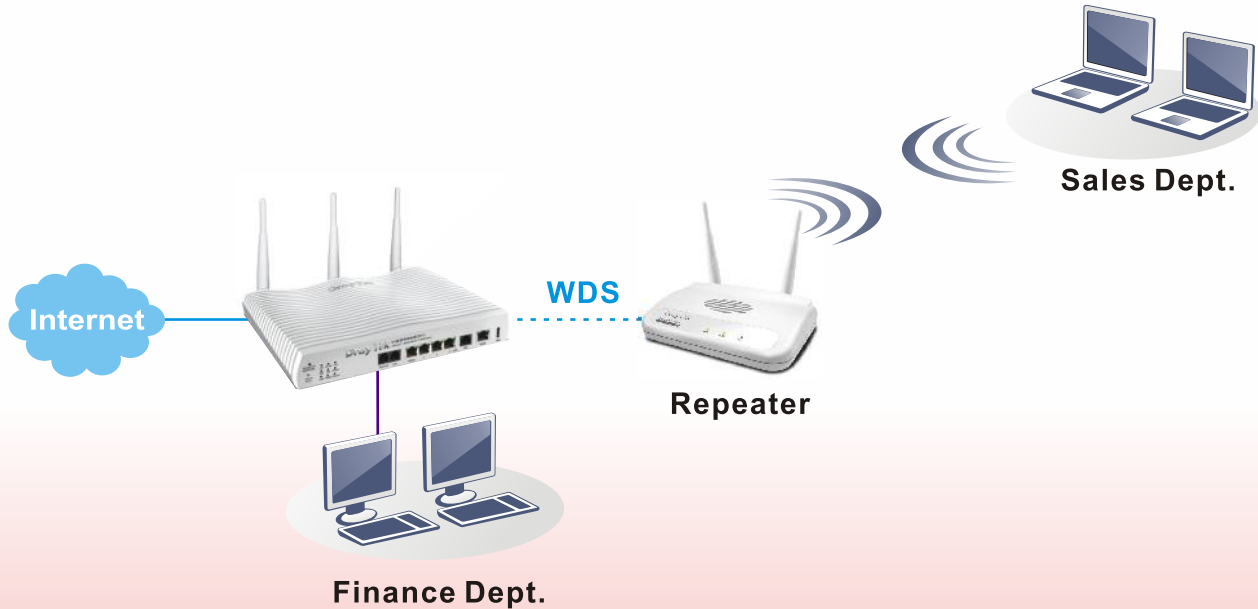VigorAP 800

Lobby

2.4GHz

Vigor2830n

Internet

Note : Wireless performance always depends on your specific environment.
If your N65 connected to VigorAP 800, the WMM functionality is only working within 2.4GHz frequency.
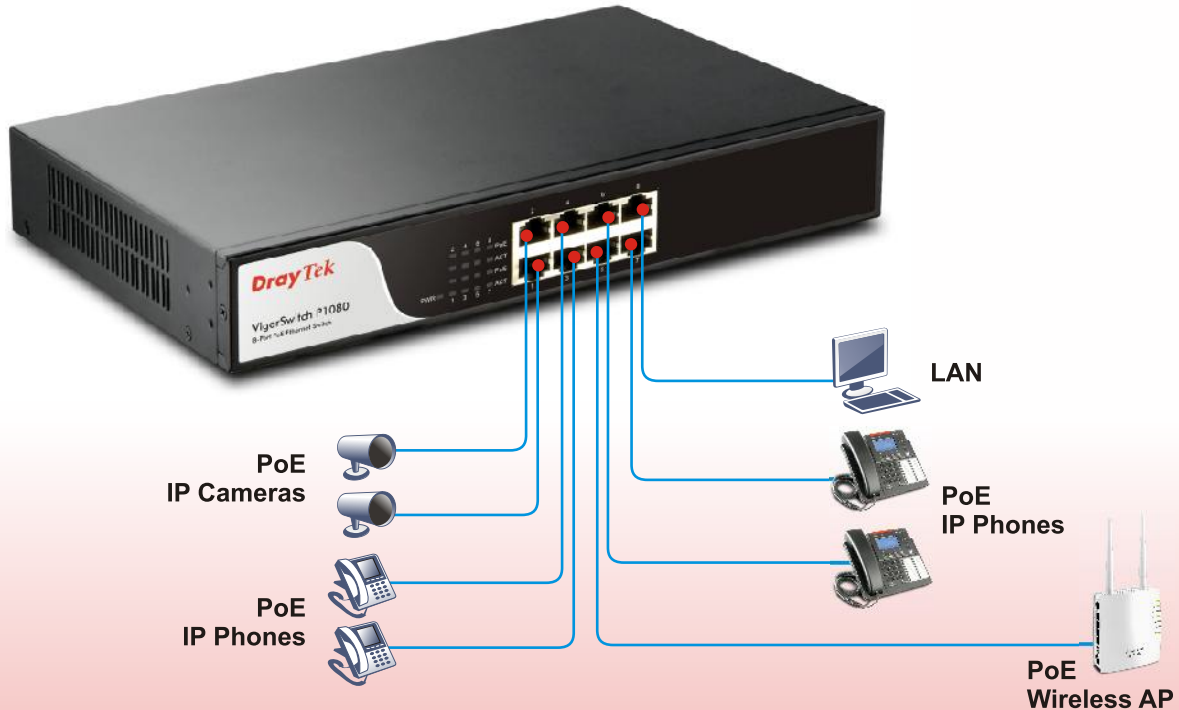
VigorAP 700

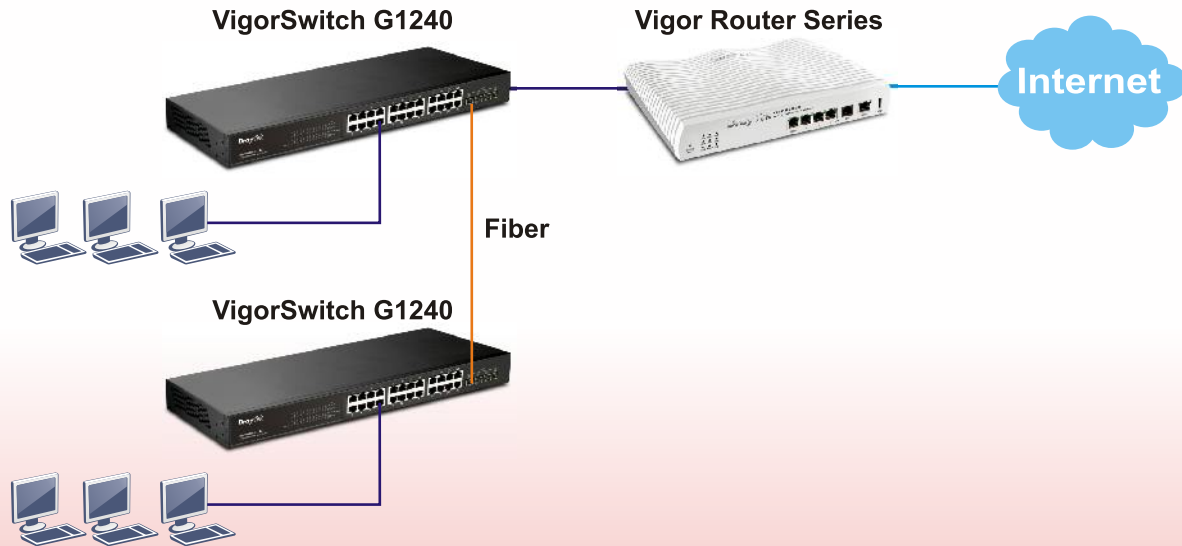## SOHO-level

WLAN Access Point

Range Extended

Internet

WDS

Repeater

Sales Dept.

Finance Dept.

VigorSwitch P1080

8-Port PoE Ethernet Switch

LAN

PoE
IP Cameras

PoE
IP Phones

PoE
IP Phones

PoE
Wireless AP

VigorSwitch G1240

24 Gigabit Port Web Smart Switch

VigorSwitch G1240

Vigor Router Series

Internet

Fiber

VigorSwitch G1240

Dray *Tek* *We deliver you*

Plan

ECO-IT

Success

Strategy

Innovation

More ···· **www.draytek.com**