

Vigor

產品整合及應用



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3

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M9000 M2M Router

Vigor 路由器整合方向



目標

遠端達成網路管理

Vigor 路由器主要整合



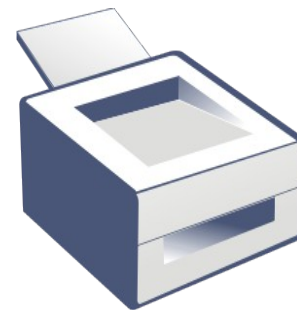
- Router
- AP
- Switch
- VPN



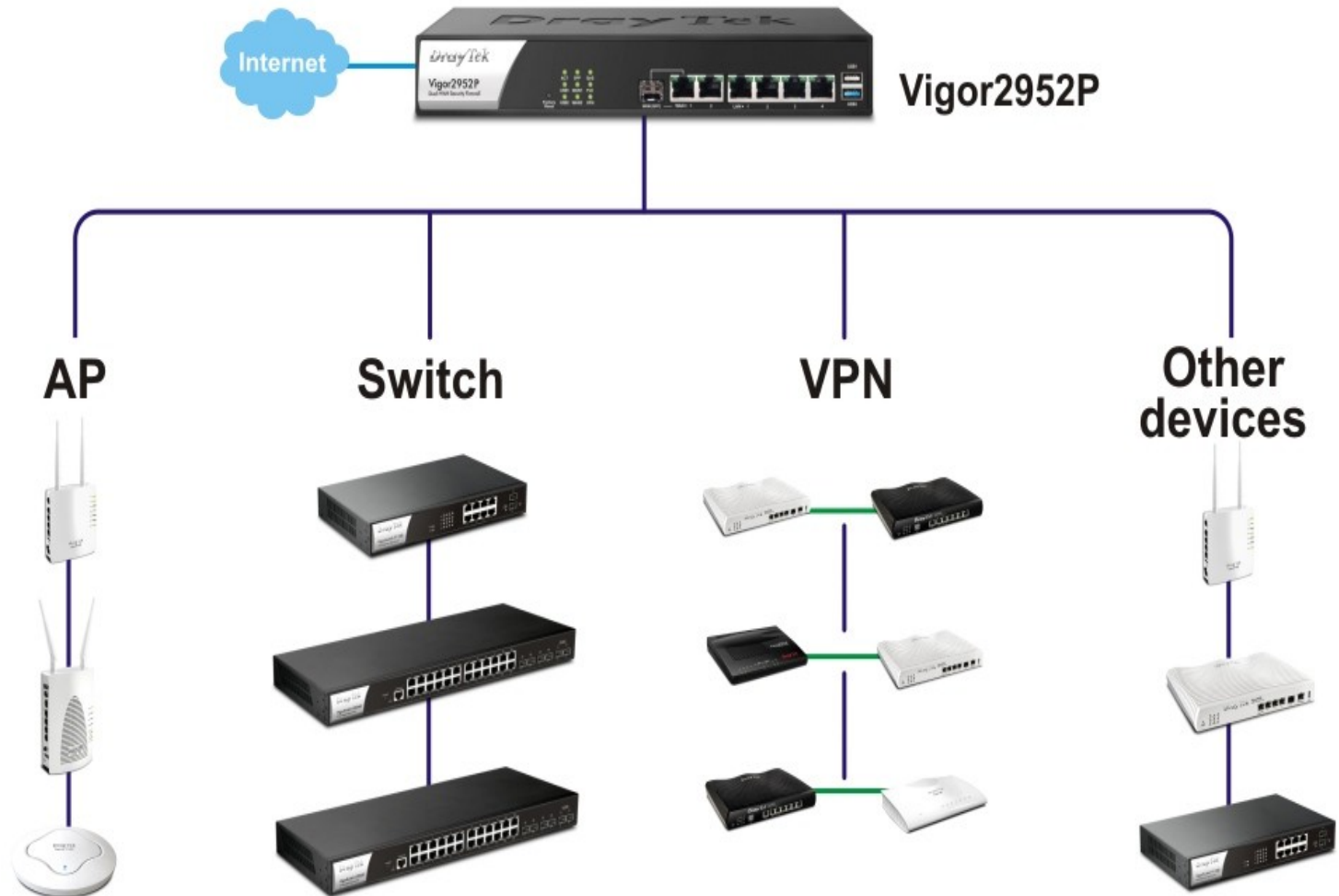
Vigor 路由器整合功能



- 4G LTE Dongle
- 溫度計
- 側錄軟體
- iOS App
- PoE 功能
- 印表機伺服器
- 飯店式無線登入



整合架構 - 網路只有一種管理



整合架構 - APM



Pre-install Tool

VigorAPM 0.9.7

DrayTek

AP Floor Map

Start planning your environment AP signal distribution

Home > Tools > AP Floor Map

London office

Add New

Unread Events



0

Loss Connection



0

Profile Setting Error



0

Firmware Upgrade Failure



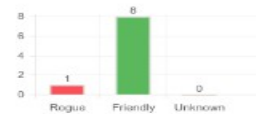
0

Reboot Error

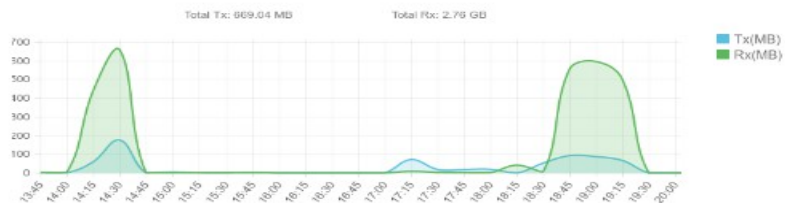
Access Points



Rogue APs



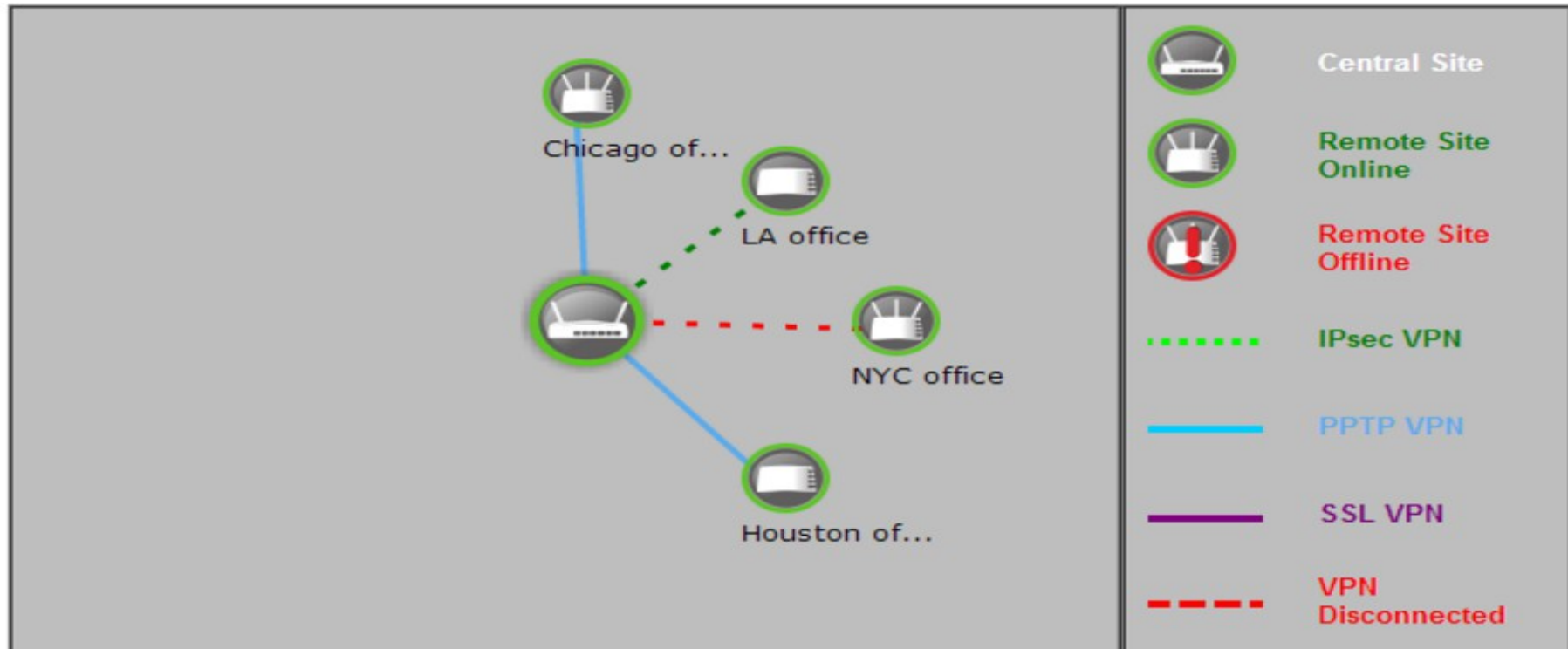
Traffic



Wireless Clients



整合架構 - CVM



CPE VPN Connection List

VPN	Type	Remote IP	Virtual Network	Tx Pkts	Tx Rate(Bps)	Rx Pkts	Rx Rate(Bps)	Up Time
1 (cvm_83DCB4)	IPsec Tunnel AES-SHA1 Auth	111.231.100.132 via WAN2	192.168.29.1/24	0	0	1	3	0:23:24
2 (cvm_B385B8)	SSL Tunnel	111.231.100.132 via WAN-2	192.168.1.1/24	122	11	1	3	0:23:27
3 (cvm_84B47C)	PPTP/MPPE	111.231.100.132 via WAN2	192.168.200.1/24	0	0	135	21	0:23:22
4 (cvm_7B8318)	PPTP/MPPE	111.231.100.132 via WAN2	192.168.2.1/24	0	0	0	0	0:22:49

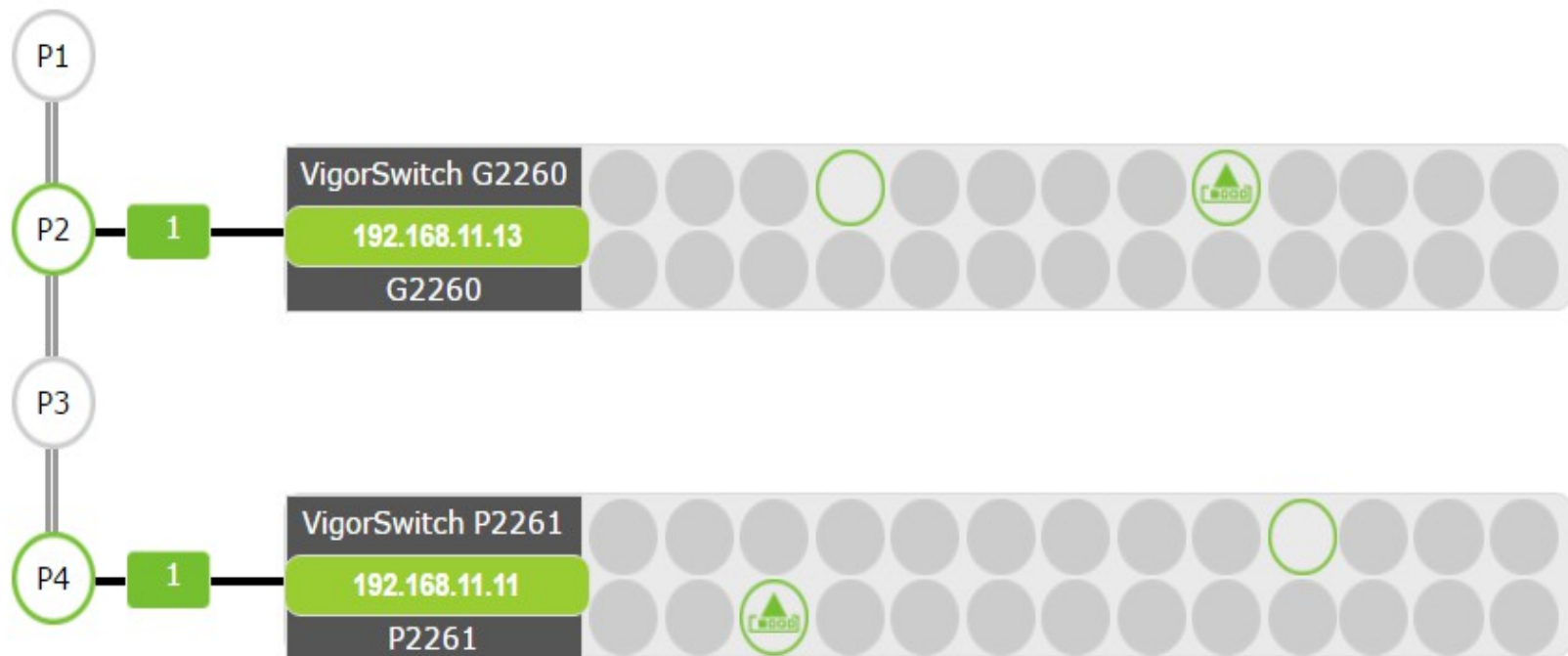
整合架構 - SWM



Central Management >> Switch >> Status

Switch Status

Switch Hierarchy





2

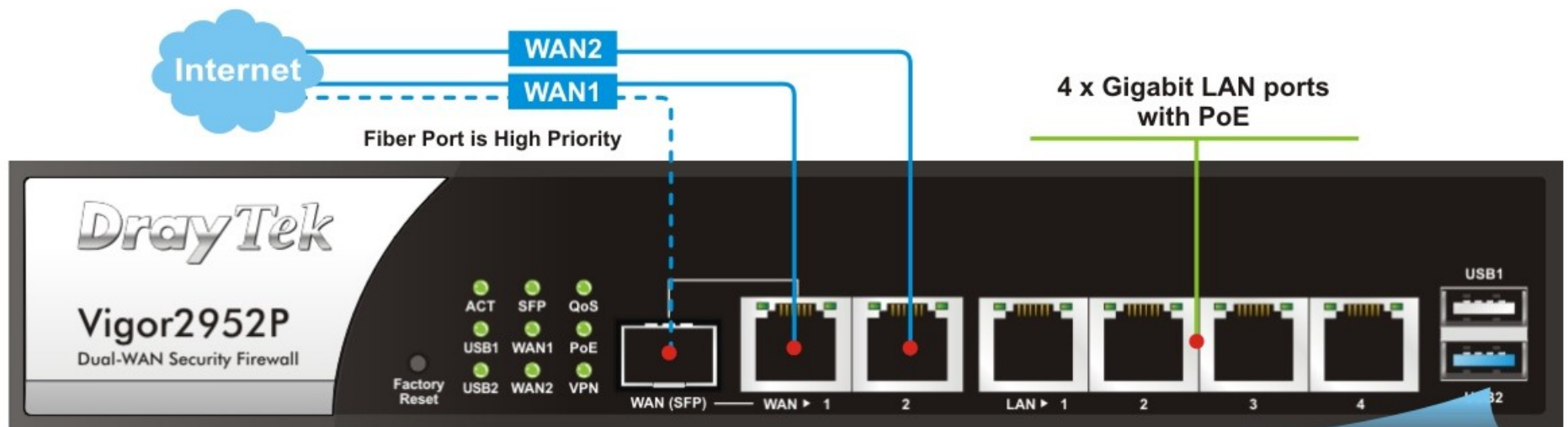
Vigor2952P 產品規格

Vigor2952P



1. Two WAN, 4 Lan, 2 USB, 1 SFP(WAN1)
2. 60,000 sessions, 100 VPN tunnels , 10 subnets.
3. APM, CVM, SWM, Hotsport web portal,
4. PoE, total 60w, 35w/port
5. HA,IPv6 HA, DNSsec, PPPoE Server

Vigor2952P



3G/4G LTE
USB mobile



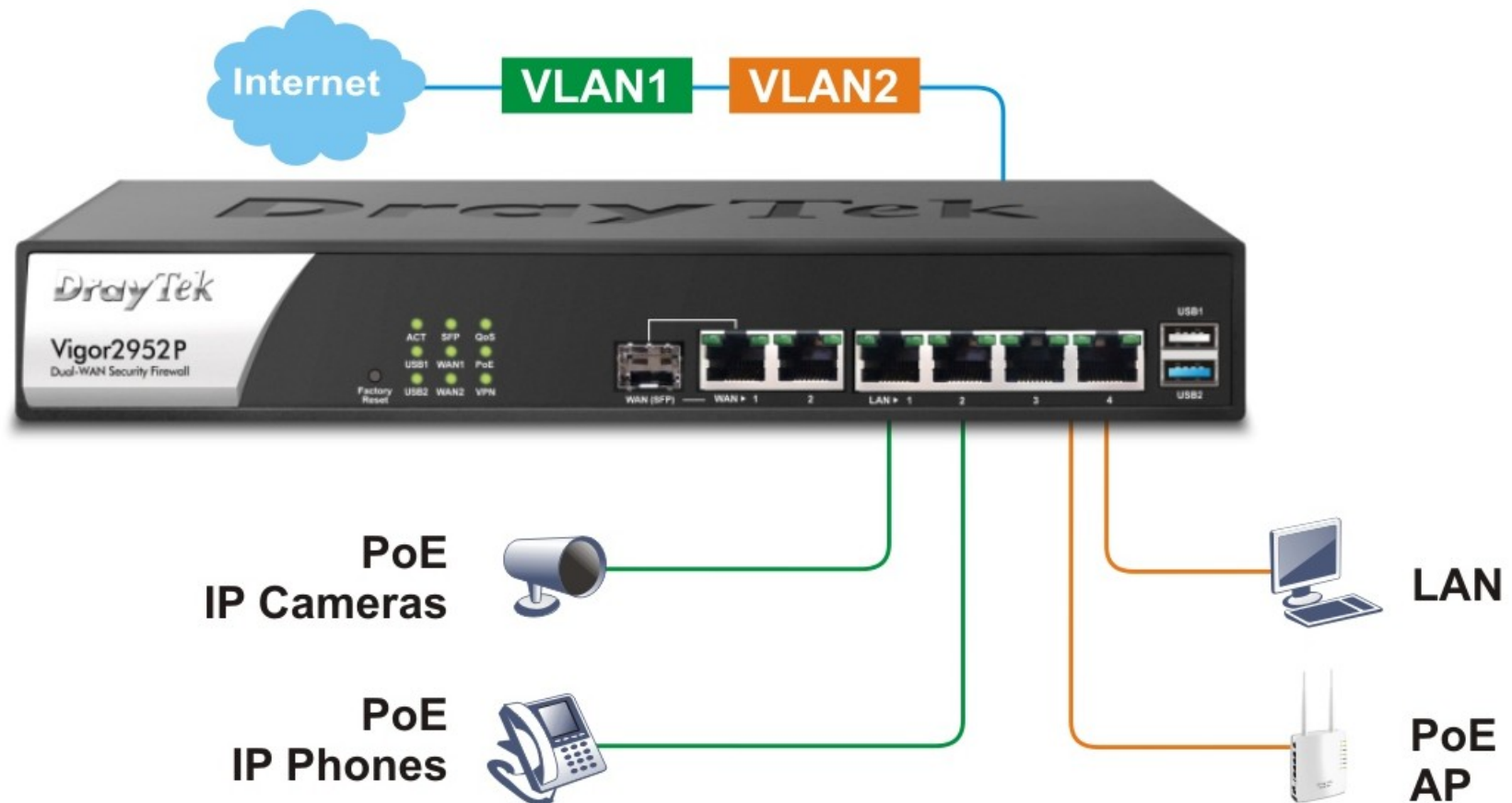
Printer



File Sharing



Vigor2952P



Vigor2952P



DrayTek

Vigor2952 Series



Auto Logout ▾

IPv6

Dashboard
Wizards
Online Status

WAN
LAN
PoE

General Setup

Device Check

Status

Load-Balance/Route Policy

NAT

Hardware Acceleration

Firewall

User Management

Objects Setting

CSM

Bandwidth Management

Applications

VPN and Remote Access

Certificate Management

SSL VPN

USB Application

System Maintenance

Diagnostics

Central Management

VPN

AP

Admin mode

Status: Settings Saved

Dashboard



Vigor2952P
Dual-WAN Security Firewall

ACT

SFP

QoS

USB1

WAN1

PoE

USB2

WAN2

VPN

Factory Reset

WAN (SFP)

WAN 1

2

PoE

LAN 1

2

3

4

USB1

USB2

System Information

Model Name	Vigor2952P	System Up Time	15:36:31
Router Name	DrayTek	Current Time	2016 Oct 12 Wed 1:52:36
Firmware Version	3.8.4_RC4	Build Date/Time	Sep 9 2016 15:07:47
LAN MAC Address	00-1D-AA-FD-F8-E8		

IPv4 Internet Access

	Line / Mode	IP Address	MAC Address	Up Time
<u>WAN1</u>	Ethernet / PPPoE	114.37.143.6	00-1D-AA-FD-F8-E9	0:02:57
<u>WAN2</u>	Ethernet / DHCP Client	LAN 5 and WAN have the same IP subnet, Click here to change LAN 5 IP subnet.	00-1D-AA-FD-F8-EA	0:03:01
<u>WAN3</u>	USB / ---	Disconnected	00-1D-AA-FD-F8-EB	00:00:00
<u>WAN4</u>	USB / ---	Disconnected	00-1D-AA-FD-F8-EC	00:00:00

Interface

WAN	Connected : 2, ● WAN1 ● WAN2 ● WAN3 ● WAN4
-----	--

Quick Access

System Status
Dynamic DNS
TR-069
User Management
IM/P2P Block
Schedule
SysLog / Mail Alert
LDAP
RADIUS
Firewall Object Setting
Data Flow Monitor

PoE Status

PoE Mode: Auto
Total Power: 60 Watt
Used: 3.6 Watt
Usage: 5%
Port1: 3.6 Watt
Port2: 0.0 Watt

WAN-Budget 總量管制



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Vigor2952 Series



Auto Logout ▾

IPv6

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WAN

General Setup
Internet Access
Multi-VLAN

WAN Budget

LAN
PoE
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VPN and Remote Access

WAN >> WAN Budget

WAN 3

☒ Enable

Criterion and Action

Quota Limit: 10 GB ▾

When quota exceeded :
☐ Shutdown WAN interface
Using **Notification Object** ----- ▾
Set **Mail Alert** or **SMS message**.

Monthly

Custom

Select the day of a month when your (cellular) data resets.

Data quota resets on day 1 ▾ at 00:00 ▾

Note:

1. Please make sure the **Time and Date** of the router is configured.
2. SMS message and mail will be sent when the usage reaches 95% and 100% of quota.

WAN- Mirror port



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Vigor2952 Series



Off

IPv6

Dashboard
Wizards
Online Status

WAN
LAN

General Setup
Static Route
VLAN
Bind IP to MAC

LAN Port Mirror

Wired 802.1X
Web Portal Setup
PPPoE Server

LAN >> LAN Port Mirror

LAN Port Mirror

Port Mirror:

☐ Enable ☒ Disable

	Port1	Port2	Port3	Port4	WAN1	WAN2
Mirror Port		☐	☐	☐		
Mirrored Tx Port	☐	☐	☐	☐	☐	☐
Mirrored Rx Port	☐	☐	☐	☐	☐	☐

Note:

Mirroring WAN1 or WAN2 is done by software mirror, so it will lead to a substantial decline in performance.

A collection of various network hardware devices, including routers, switches, and access points, arranged on a red and white striped background. The devices are shown in a 3D perspective view, highlighting their physical forms and ports.

Vigor2952 Series



IPV6

Admin mode
Status: Ready

LAN >> General Setup

General Setup

Index	Status	DHCP	IP Address		
LAN 1	V	V	192.168.11.1	Details Page	IPv6
LAN 2	☒	☒	192.168.2.1	Details Page	IPv6
LAN 3	☐	☒	192.168.3.1	Details Page	IPv6
LAN 4	☐	☒	192.168.4.1	Details Page	IPv6
LAN 5	☐	☐	192.168.55.1	Details Page	IPv6
LAN 6	☐	☐	192.168.6.1	Details Page	IPv6
LAN 7	☐	☐	192.168.7.1	Details Page	IPv6
LAN 8	☐	☐	192.168.8.1	Details Page	IPv6
DMZ Port	☐	☒	192.168.9.1	Details Page	IPv6
IP Routed Subnet	☐	☒	192.168.0.1	Details Page	

Advanced You can configure DHCP options here.

Inter-LAN Routing

[illegible]

A collection of various network hardware devices, including routers, switches, and access points, arranged on a red and white striped background. The devices are shown in a 3D perspective view, highlighting their physical forms and ports.

Vigor2952 Series

IP_v6

Admin mode
Status: Ready

General Setup

Index	Status	DHCP	IP Address		
LAN 1	V	V	192.168.11.1	Details Page	IPv6
LAN 2	☒	☒	192.168.2.1	Details Page	IPv6
LAN 3	☒	☒	192.168.3.1	Details Page	IPv6
LAN 4	☐	☒	192.168.4.1	Details Page	IPv6
LAN 5	☐	☐	192.168.55.1	Details Page	IPv6
LAN 6	☐	☐	192.168.6.1	Details Page	IPv6
LAN 7	☐	☐	192.168.7.1	Details Page	IPv6
LAN 8	☐	☐	192.168.8.1	Details Page	IPv6
DMZ Port	☐	☒	192.168.9.1	Details Page	IPv6
IP Routed Subnet	☐	☒	192.168.0.1	Details Page	

Inter-LAN Routing

[illegible]

可匯出 / 匯入 IP 綁 MAC



DrayTek **Vigor2952 Series**

Auto Logout ▾

Dashboard

Wizards

Online Status

WAN

LAN

General Setup

Static Route

VLAN

Bind IP to MAC

LAN Port Mirror

Wired 802.1X

Web Portal Setup

PPPoE Server

PoE

Load-Balance/Route Policy

NAT

Hardware Acceleration

Firewall

User Management

Objects Setting

CSM

Bandwidth Management

Applications

Admin mode

Status: Ready

IP Bind List (Limit: 300 entries)

Select All | Sort |

Index	IP Address	Mac Address	Host ID	Comment
-------	------------	-------------	---------	---------

Note:

1. IP-MAC binding presets DHCP Allocations.

2. If you select Strict Bind, unspecified LAN clients cannot access the Internet.

OK

Backup IP Bind List :

Backup

Upload From File:

選擇檔案

 未選擇任何檔案

Restore

防火牆 - 規則追蹤



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Vigor2952 Series



Auto Logout ▾

IPv6

Firewall >> Diagnose

Dashboard
Wizards
Online Status

WAN
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Load-Balance/Route Policy
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Hardware Acceleration
Firewall
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Filter Setup
DoS Defense
Diagnose
User Management
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CSM
Bandwidth Management
Applications
VPN and Remote Access
Certificate Management
SSL VPN
USB Application

Mode

☒ ICMP ☐ UDP ☐ TCP IPv4 ▾

Direction

From LAN ▾

Test View

A



LAN



Firewall

B



Src IP 192.168.11.1

Src MAC □:□:□:□:□:□

Dst IP 192.168.22.11

Packet & Payload

Packet	Enable	Direction	Protocol
1	☒	A->B ▾	ICMP:Customize
2	☐	A->B ▾	ICMP:Customize

PoE – 功率分配



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Vigor2952 Series



Off ▼

IR6

Dashboard
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PoE

General Setup

Device Check
Status

Load-Balance/Route Policy

NAT

Hardware Acceleration

Firewall

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Objects Setting

CSM

Bandwidth Management

Applications

VPN and Remote Access

PoE >> General Setup

[Set to Factory Default](#)

Mode:

Syslog: ☐ Enable

Total Power = 60 Watt

Port	Enable	Power Limit(Watt)	Schedule(1-15)	
1	☒	15 ▼	1	6
2	☒	30 ▼	2	7
3	☒	15 ▼	3	9
4	☒	30 ▼	5	

Notice: If there is any change in config, PoE will apply power cycle.

Warning: The priority is Port 1 (highest) to Port 4 (lowest).

If the power requirements of connected devices exceed the total power, then the power of the lowest priority port will be shut off first.

OK

Clear All

PoE – 自動偵測及重啓



DrayTek

Vigor2952 Series



Off ▼

IPv6

Dashboard
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Online Status

WAN
LAN
PoE

General Setup

Device Check

Status

Load-Balance/Route Policy

NAT

Hardware Acceleration

PoE >> Device Check

Port	☒ Enable	Ping IP Address	Ping Interval (Seconds)	Retry (Time)	Failure Action
1	☒	192.168.1.100	120 ▼	1 ▼	Power Cycle ▼
2	☒	192.168.1.111	30 ▼	3 ▼	Power Off ▼
3	☐	0.0.0.0	60 ▼	5 ▼	Power Cycle ▼
4	☐	0.0.0.0	10 ▼	1 ▼	Power Cycle ▼

OK

Clear All



3

Switch 中央管理功能

Switch Management (SWM)



Central Management >> Switch >> Status

Switch Status

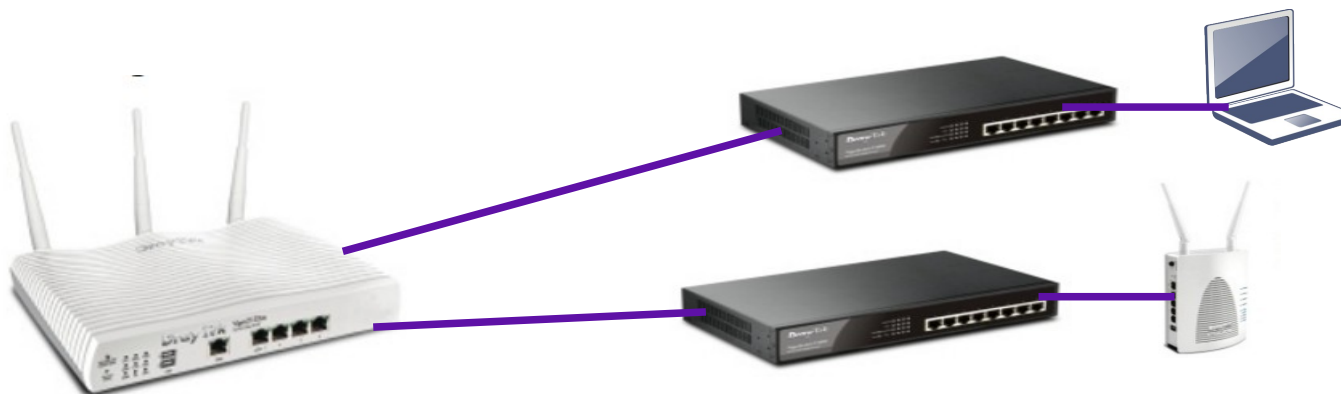
Switch Hierarchy

[Refresh](#)

View Group:

Status

Group	Switch Name	IP Address	Model	System Up Time	Port in Use	Clients	Firmware Version
Default	P2261	192.168.11.11	P2261	0:49:32	2/26	1	v3.11
	G2260	192.168.11.13	G2260	0:12:09	2/26	1	v3.11



Switch Management (SWM)



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Vigor2952 Series



Off

VPN and Remote Access
Certificate Management
SSL VPN
USB Application
System Maintenance
Diagnostics

Central Management
VPN
AP
Switch
Status
Profile
Group
Maintenance
Support List
External Devices

Support Area
Product Registration

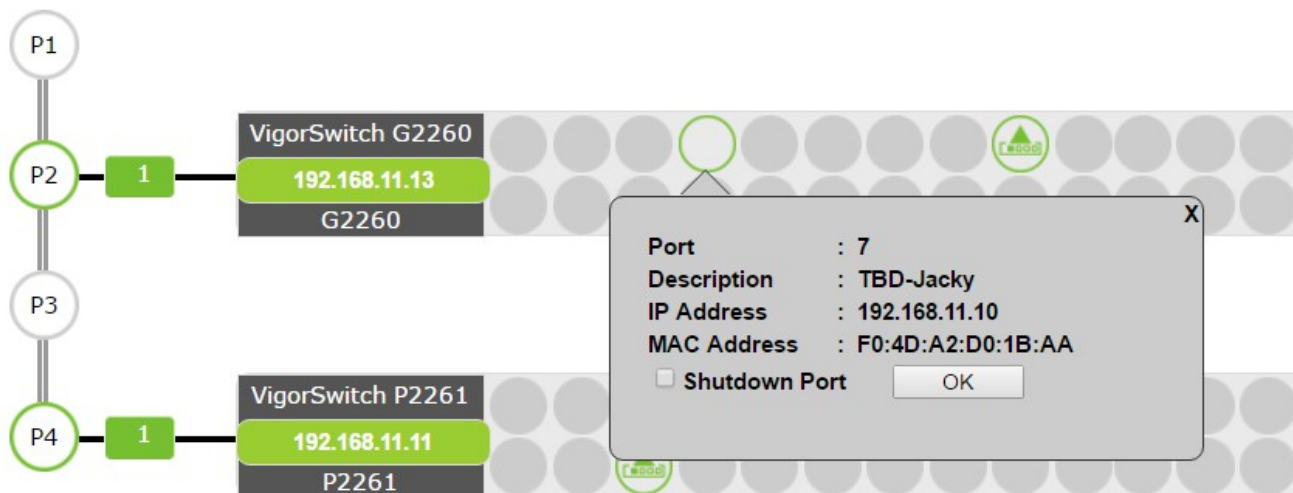
All Rights Reserved.

Central Management >> Switch >> Status

Switch Status

Switch Hierarchy

[Refresh](#)



Admin mode
Status: Settings Saved

SWM- profile



DrayTek

Vigor2952 Series



Off ▼



Firewall

User Management

Objects Setting

CSM

Bandwidth Management

Applications

VPN and Remote Access

Certificate Management

SSL VPN

USB Application

System Maintenance

Diagnostics

Central Management

VPN

AP

Switch

Status

Profile

Group

Maintenance

Current List

Central Management >> Switch >> Profile

Switch Profile 1

[Get Setting from External Switch](#)

General

VLAN

Port

[Set to Factory Default](#)

Switch Name

P2261

Comment

☐ Copy configuration from:

None ▼

Login Password

IP Address

DHCP [192.168.11.11](#)

Note: The router configuration will be updated when getting profile settings from external switch

OK

Cancel

Send to Device

SWM- 可每埠命名



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Vigor2952 Series



Auto Logout ▾

IPv6

Objects Setting
CSM
Bandwidth Management
Applications
VPN and Remote Access
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External Devices

Central Management >> Switch >> Profile

Switch Profile 1 P2261

[Get Setting from External Switch](#)

[Set to Factory Default](#)

General

VLAN

Port

Port	Description	Shutdown Port	
		Shutdown	Schedule
1	GM-110	☐	0 , 0
2	Sales-210	☐	0 , 0
3	Sales-M-222	☐	0 , 0
4	PQC-Wang-391	☐	0 , 0
5		☐	0 , 0
6		☐	0 , 0
7		☐	0 , 0
8		☐	0 , 0
9		☐	0 , 0

SWM- 備份



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Vigor2952 Series



Off

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Support Area
Product Registration

All Rights Reserved.

Central Management >> Switch >> Maintenance

Select Action

Action Type:

Config Backup ▾

File/Path:

未選擇任何檔案

Select Device

Existing Device

Switch Name	MAC Address	IP Address
P2261	00:50:7f:f0:c3:3d	192.168.11.11
G2260	00:50:7f:f0:c4:62	192.168.11.13

Selected Device

Switch Name	MAC Address	IP Address

OK

Cancel

A collection of various network hardware components, including routers, switches, and network cards, arranged on a red and white striped background. The components include a black and white router with multiple antennas, a white router with a single antenna, a black switch with multiple ports, a white switch with multiple ports, a black network card, and a white network card.

Switch Profile 2 P2261-111

Factory Reset

[illegible]

SWM- 支援列表



DrayTek

Vigor2952 Series

Auto Logout ▾

IPv6

Bandwidth Management
Applications
VPN and Remote Access
Certificate Management
SSL VPN
USB Application
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Central Management
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External Devices

Central Management >> Switch >> Support List

Model	Status	Firmware Version
Vigor Switch P2261	V	v3.11
Vigor Switch G2260	V	v3.11
Vigor Switch G1241	V	2.1.0.Beta2
Vigor Switch P1100	V	2.1.0RC3a

M9000 工業路由器 - 戶外型



4

M9000 M2M Router

M9000 工業路由器 - 戶外型



- High Performance Firewall Router
- Ideal for Cellular & telecoms backhaul applications
- Synchronous Ethernet (SyncE Phase 2) on WAN2 (slave/relay)
- IEEE1588 v2 Precision Time Protocol (PTP)
- PoE Powered or AC or DC (Option)
- Ruggedised:
 - IP66 Outdoor Rated
 - Operating Range : -10°C - 60°C
- Multiple IP Subnets
- 802.1ad Q-in-Q
- Up to 200 VPN Tunnels (IPSec/PPTP)
- VLAN based Bandwidth control
- 802.1p QoS (up to 4 Queues)
- WAN Connectivity (to order):
 - WAN1: Gigabit Ethernet or SFP or 3G/4G/LTE Cellular
 - WAN2: Gigabit Ethernet (RJ-45)
 - VDSL2 / ADSL2+ (To order)
- LAN Connectivity (to order):
 - 2 X Gigabit Ethernet (RJ-45)
 - 802.11n or 802.11ac (option)
- IPv4/IPv6 Dual Stack
- 500Mb/s Firewall Performance
- **Availability:** Special (Project) Order Only (see below)

Q & A

