

DrayTek

Vigor2927 Series
Firmware V4.4.5

Dual-WAN VPN Firewall Router

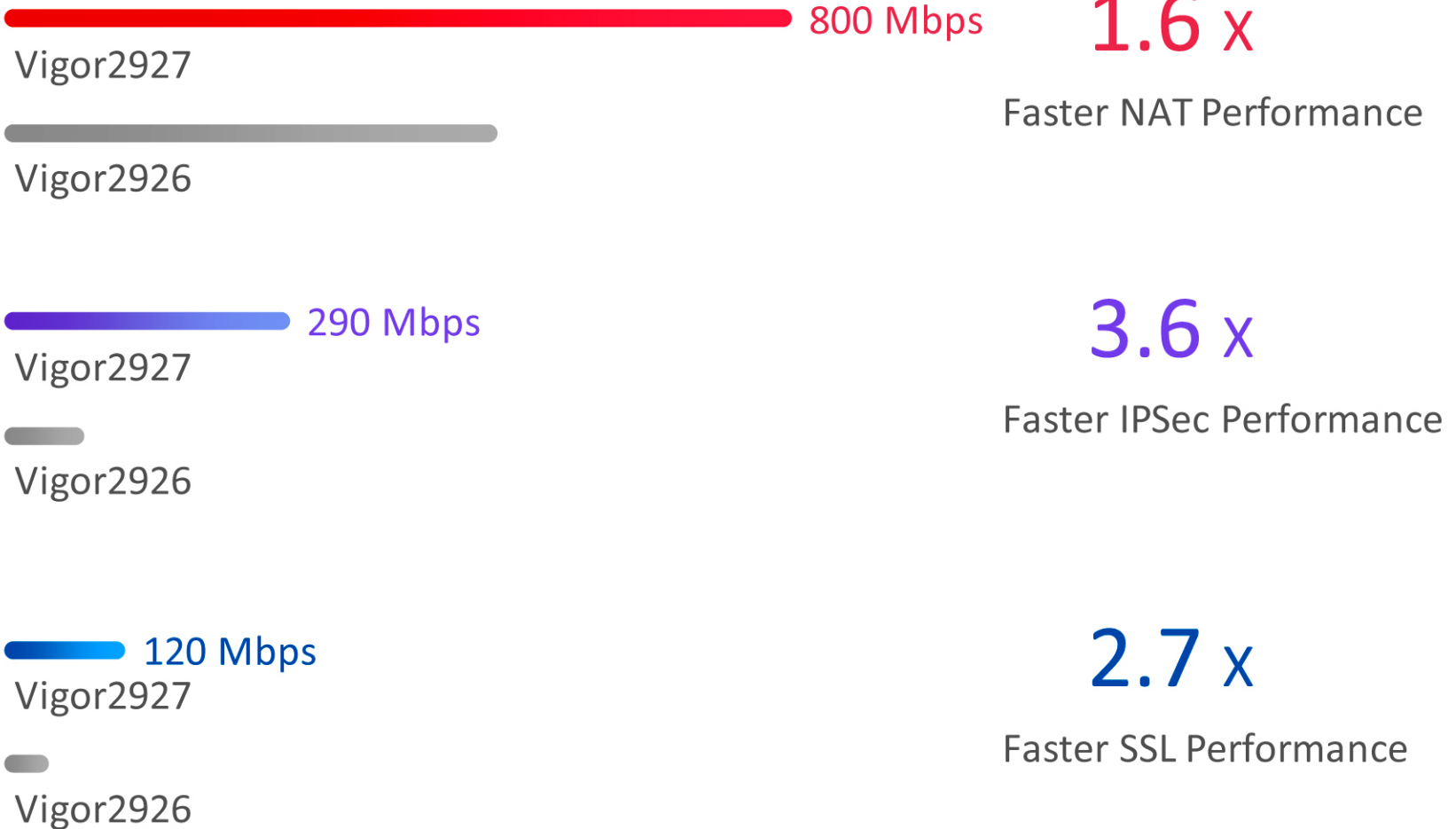


Dual-WAN VPN Firewall Router

Vigor2927 Series

The Ultimate Router for SMB

Vigor2927 Series is a dual-Ethernet WAN firewall router providing load-balancing and failover for your business continuity. Featuring VPN, QoS, route policy, firewall, content filtering, bandwidth management, captive hotspot portal, and a lot more, this is the ultimate router that does it all for SMB. The series includes built-in 802.11ac wave 2 Wi-Fi and VoIP gateway models.



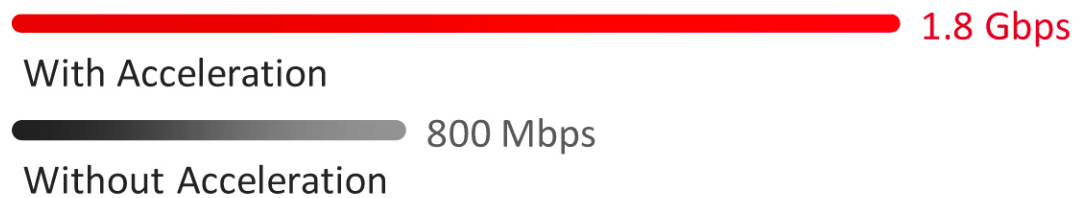
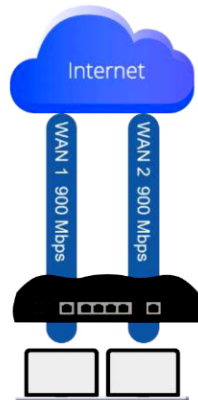
Hardware Acceleration

Vigor2927 Series

Accelerating sessions without sacrificing either WAN Budget, Traffic Graph, Data Flow Monitor, QoS or Bandwidth Limit functionality. When enabling Hardware Acceleration, Vigor2927 is fully capable of handling 2 high-speed WANs.

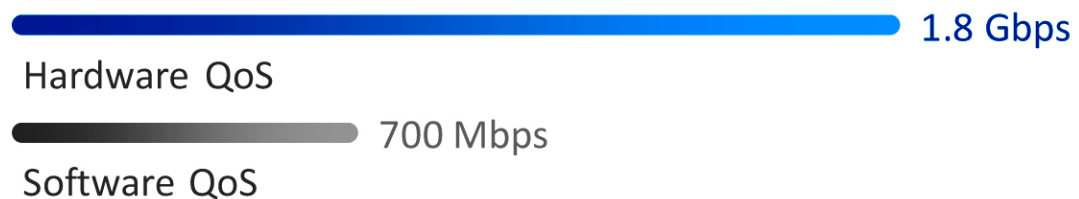
NAT Acceleration & Hardware QoS

With Hardware Acceleration and Hardware QoS enabled, firewall performance can reach 1.8Gbps (900Mbps on WAN1 and WAN2 concurrently) while still meeting high expectation of QoS quality. The accelerator supports up to 8k NAT and routing connections.



2.3 x

Faster NAT Performance

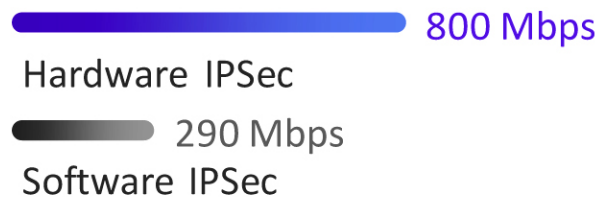


2.6 x

Faster NAT Performance with QoS Enabled

IPSec Acceleration

Although Vigor2927 already has improved IPSec performance from the previous Vigor2926 series, with Hardware Acceleration enabled, IPSec performance can reach 800 Mbps. The acceleration capacity is 16 IPSec tunnels max.



2.8 x

Faster IPSec Performance

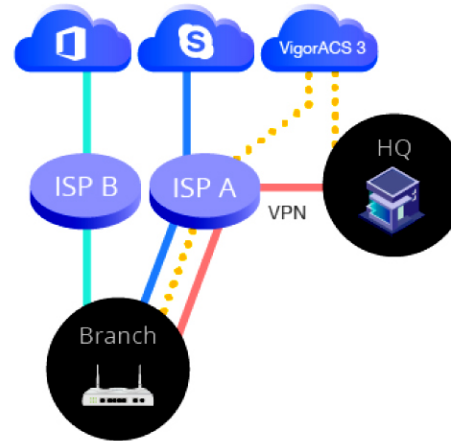
*Since f/w 4.2.1

Edge Router for SD-WAN

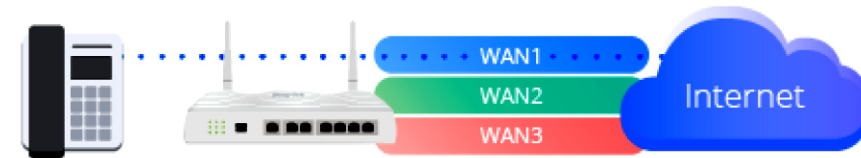
Vigor2927 Series

Edge Router for SD-WAN

The quality of every WAN/VPN interface is measured by latency, loss, and jitter. Based on the interface quality records, Vigor2927 can adjust the metric to use the best-quality interface for VoIP and business critical apps.



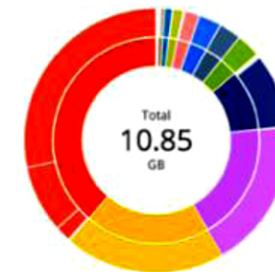
WAN1 : mos 4.3 ● VoIP WAN
WAN2 : mos 4.0 ●
WAN3 : mos 3.6 ●



Application Visibility and SD-WAN Policy

The application visibility lets Network Administrator understand the data usage. From every single clients, via which WAN, to which application, at what time.

Based on the application visibility, Network Administrator can create SD-WAN policies to send business-critical applications through the best-quality interface to optimize the user experience.



PROTOCOL	4.19 GB	Others	2.12 GB
STREAM	2.01 GB	Google Services	1.04 GB
VOIP	323.11 MB	TUNNEL	304.77 MB
Tunneling	304.77 MB	Instant Message	225.19 MB
Amazon Services	148.93 MB	WEB HD	101.73 MB
Apple Services	90.24 MB	IM	19.25 MB
E-Life	8.66 MB	REMOTE CONTROL	777.86 KB

Traffic Line Chart Upload/Download By Interface



*SD-WAN requires cooperation with VigorACS 3

Improved App QoS

Vigor2927 Series

VoIP First

VoIP is always with top priority!

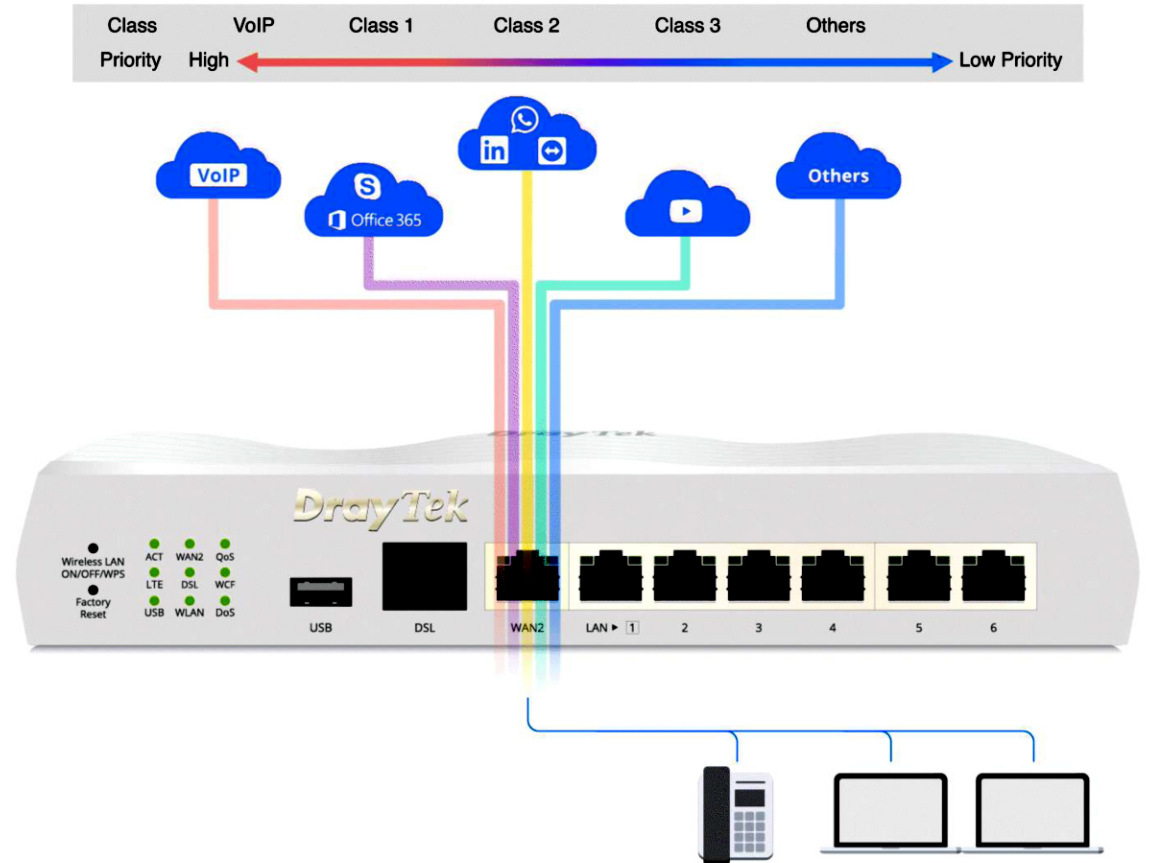
With default UDP 5060 port (configurable), VoIP QoS is out-of-box ready.

Improve Experience for Business-Critical Apps

Select your business critical apps, and easily put them into QoS classes.

Flexible Bandwidth Allocation

Bandwidth will be reserved for high-priority classes, and can be used by low-priority classes when available.



Key Feature Hotspot Web Portal

Vigor2927 Series

Market your business while offering free Wi-Fi.

Wi-Fi Marketing

Redirect the hotspot guests to the company homepage, online surveys, or display promotion message.

Grow Your Email List

Require the guest to leave contact info or social media accounts before they can use the Internet service.

Various Authentication Type

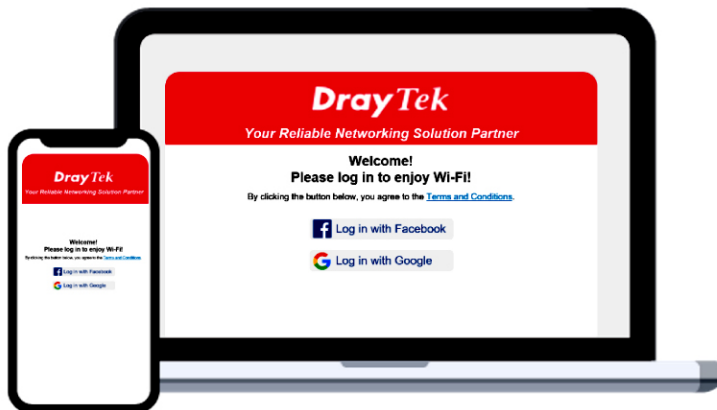
A variety of login methods are supported to meet your business need, including Facebook Login, Google Login, SMS PIN, Voucher PIN, and RADIUS.

3rd-Party Service Compliant

Supports external captive portal authentication. You can keep using the Wi-Fi marketing solution you like.

Quota Management

Bandwidth management is integrated into Hotspot to control the bandwidth and session usage of the Hotspot guests.



Key Feature **Wi-Fi Roaming**

Vigor2927 Series

Solve the sticky client problem and improve Wi-Fi roaming experience.

Proactive Roaming

Wi-Fi clients automatically hand-off to another AP/router with a better signal strength when moving around in an area with multiple APs/routers.

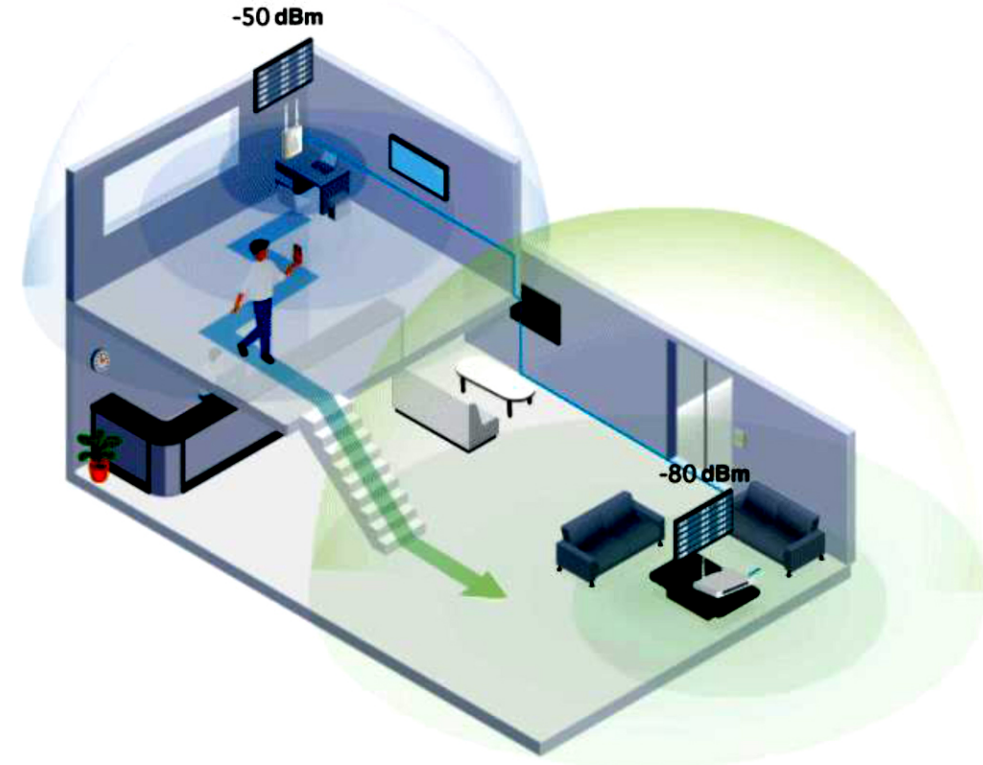
However, Wi-Fi clients sometimes stick to the AP/router with weak signal, and not switching to the one with better signal.

Assisted Roaming

VigorRouter will disassociate the Wi-Fi clients who are out of the effective transmission range, forcing them to pick up another access point/router with a stronger signal.

Stronger Signal Guaranteed

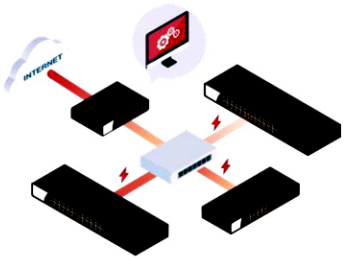
Furthermore, with "Minimum RSSI with Adjacent AP" option, VigorRouter can disassociate the client only when other AP/router has a stronger wireless signal, and keep client stayed when there's no other AP/router nearby.



Key Feature Central Management

Vigor2927 Series

LAN Management



Manage VigorSwitch

10 VigorSwitch

- Automatic Discovery
- Provisioning
- Monitoring
- Centralized Hierarchy View
- Reboot PoE Devices Remotely
- Quick VLAN Configuration



Manage VigorAP

20 VigorAP

- Automatic Discovery
- Automatic Provisioning
- Monitoring
- Centralized View
- Reboot VigorAP Remotely
- Wi-Fi Client Load Balancing

Cloud Managed



Via VigorACS2



- Provisioning
- Monitoring
- Centralized Hierarchy View
- Alarm
- Reboot Vigor Devices Remotely
- Scheduled Maintenance
- Report



Via VigorACS3
(Since ACS V3.0.0 & FW 4.2.1)



- Zero Touch Deployment & Provisioning
- Auto-VPN
- Interface Quality & SLA
- VoIP Optimization & Monitoring
- Application Visibility
- Application-Based SD-WAN Policy
- Customized Hotspot Page with Multilingual
- Hotspot Clients Analytics
- ACS Server Load Balancing / Failover

Key Feature LAN Management

Vigor2927 Series

An all-in-one management platform for Vigor devices on the LAN side.

Automatic Device Discovery

Automatically discover LAN subnets and add detected VigorSwitch/AP into managed list.

Provisioning

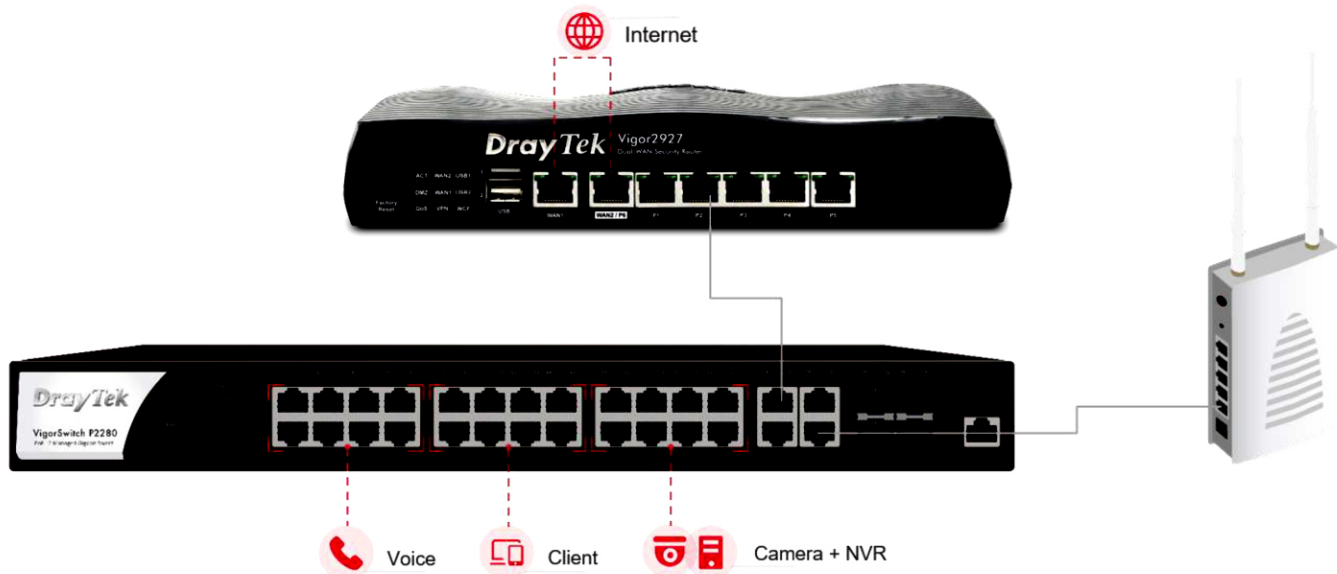
Most-frequent used settings can be pre-defined on the Vigor Router, and provision to the managed VigorSwitch/AP.

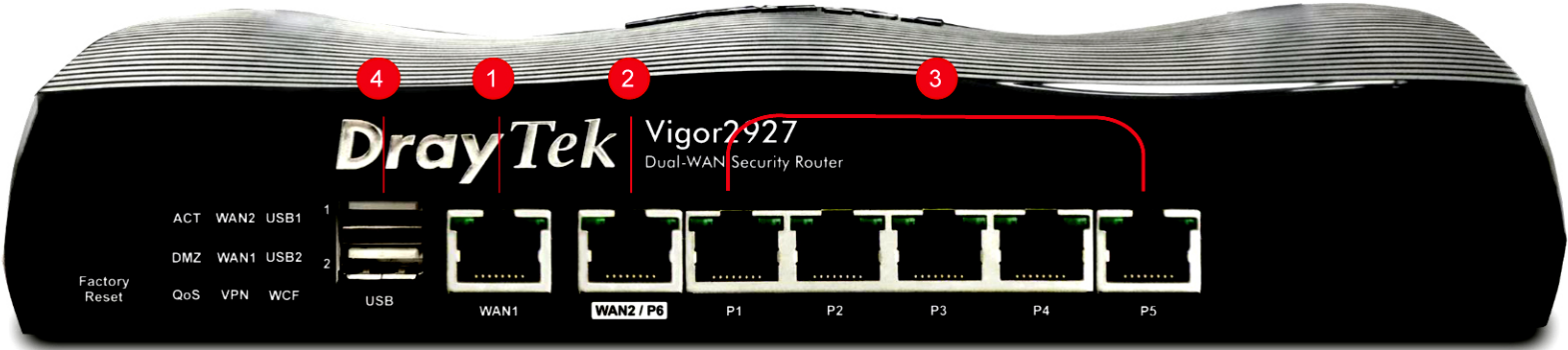
Monitoring

Vigor Router provides a centralized view of managing devices, you may always check if the managed Vigor Switch/AP is online.

System Maintenance

You may perform a factory reset, save/restore a configuration backup, or trigger a remote reboot directly on the Vigor Router. There's no need to log in to each device's management page.





1	Fixed WAN Port	1 x GbE RJ-45
2	Switchable WAN/LAN Port	1 x GbE RJ-45
3	Fixed LAN Port	5 x GbE RJ-45
4	USB Port	2 x USB2.0; 1 x USB2.0 for L model
NAT Throughput		800 Mbps
VPN		50 (IPsec throughput up to 290 Mbps)
Sessions		60k

Vigor2927 Series

Vigor2927 Series

	2927	2927 ^{ac}	2927 ^{Vac}	2927 ^L	2927 ^{Lac}
Description	General Model	Wireless Model	VoIP with Wireless	LTE Model	LTE with Wireless
Fixed WAN	1 GbE RJ-45				
Switchable WAN/LAN	1 x GbE RJ-45				
Fixed LAN	5 x GbE RJ-45				
USB Port	2 x USB 2.0			1 x USB 2.0	
VoIP Gateway	✕		✓	✕	
Voice RJ-11	✕		2 x FXS port	✕	
LTE CAT.6	✕			✓	
SIM Slot	✕			2 x Standard-Sized	
Antenna	✕	2 x Detachable dual-band antennas		2 x LTE Antennas	2 x Detachable dual-band + 2 x LTE Antennas
WLAN	✕	2.4 GHz: 802.11b/g/n; 5 GHz: 802.11 a/n/ ^{ac}		✕	2.4 GHz: 802.11b/g/n 5 GHz: 802.11 a/n/ ^{ac}
Max. Link Rate	✕	2.4 GHz: 400 Mbps; 5 GHz: 867 Mbps		✕	2.4 GHz: 400 Mbps 5 GHz: 867 Mbps

Vigor292x Evolution

Vigor2927 Series

	Vigor2927 Series	Vigor2926 Series	Vigor2925 Series
			
Fixed WAN Port	1 x GbE RJ-45	1 x GbE RJ-45	2 x GbE RJ-45
Fixed LAN Port	5 x GbE RJ-45	4 x GbE RJ-45	5 x GbE RJ-45
Switchable WAN/LAN Port	1 x GbE RJ-45	1 x GbE RJ-45	×
USB Port	2 x USB2.0 (1 x USB2.0 for L model)	2 x USB2.0 (1 x USB2.0 for L model)	2 x USB2.0 (1 x USB2.0 for L model)
SIM Slot	2 x Standard-Sized (LTE model)	1 x Standard-Sized (LTE model)	×
NAT Throughput	800 Mbps	500 Mbps	450 Mbps
IPsec VPN Performance	290 Mbps	80 Mbps	75 Mbps
SSL VPN Performance	120 Mbps	45 Mbps	35 Mbps
Max. Number of NAT Sessions	60k	50k	50k
Max. concurrent VPN Tunnels	50	50	50

	Vigor2927 Series	Vigor2926 Series	Vigor2925 Series
			
Dual-band Antenna (n/ac model)	2 for ac model	2 for n model; 4 for ac model	2 for n model; 3 for n-plus/ac model
2.4G WLAN (n/ac model)	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n
2.4G WLAN Max. Link Rate	400 Mbps	300 Mbps	300 Mbps
5G WLAN (ac model)	802.11 a/n/ac	802.11 a/n/ac Wave2	802.11 a/n/ac
5G WLAN Max. Link Rate	867 Mbps (2x2)	1.7 Gbps (4x4)	867 Mbps
DrayDDNS	✓	✓	✓
Bandwidth Management	✓	✓	✓
Content Filtering	✓	✓	✓
Hotspot Web Portal	✓	✓	✓
Managed via VigorACS2	✓ Since ACS 2.5.5; FW 4.2.1	✓ Since ACS 2.3.0; FW 3.8.9	✓ Since ACS 2.3.0; FW 3.8.9
SD-WAN Supported	✓ Since ACS 3.0.0; FW 4.2.1	✗	✗

Broadband Router Model Comparison

Vigor2927 Series

	SOHO/Smart Home		SMB	SME	Enterprise
	Vigor2135 Series	Vigor2915 Series	Vigor2927 Series	Vigor2962 Series	Vigor3910 Series
	<i>Not released yet</i> 			<i>Not released yet</i> 	
Fixed WAN Port	1	1 x GbE RJ-45	1 x GbE RJ-45	×	×
Fixed LAN Port	4	3 x GbE RJ-45	5 x GbE RJ-45	2 x Gbps PoE RJ-45	4 x GbE RJ-45
Switchable WAN/LAN Port	×	1 x GbE RJ-45	1 x GbE RJ-45	1 x 2.5 Gbps PoE RJ-45 + 1 x SFP/GbE + 1 x Gbps PoE + 1 x GbE	2 x 10 Gigabit SFP+ + 2 x 2.5 GbE RJ-45 + 4 x GbE RJ-45
USB Port	2 x 2.0	1 x USB2.0	2 x USB2.0 (1 x USB2.0 for L model)	1 x USB 2.0 + 1 x USB 3.0	2 x USB 3.0
LTE CAT.6 (LTE Model)	×	×	Supported with 2 x Standard-Sized SIM slots	×	×
NAT Throughput	600 Mbps	530 Mbps	800 Mbps	Hardware NAT always on	Hardware NAT always on
NAT Throughput With Hardware Acceleration	900 Mbps	900 Mbps	900 Mbps per WAN 1.8Gbps with 2 WANs combined	2.4 Gbps	9.4 Gbps
IPsec VPN Performance	200 Mbps	200 Mbps	290 Mbps	Hardware NAT always on	Hardware NAT always on
Hardware IPsec Performance	Not supported	Not supported	800 Mbps	900 Mbps	3.3 Gbps
Max. Number of NAT Sessions	50k	30k	60k	300k	1000k
Max. concurrent VPN Tunnels	2	16	50	200	500

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