Draytek Vigor 2927 Dual-WAN Firewall VPN Router

Product Name: Draytek Vigor 2927 Dual-WAN Firewall VPN Router
Manufacturer: Draytek
Model Number: V2927-K

Draytek Vigor 2927 1 Gb Ethernet Dual-WAN Firewall VPN Router
The Draytek Vigor 2927 is a Dual-Ethernet WAN router featuring VPN, advanced routing features, firewall, content filtering, bandwidth management and more. It offers high throughput with Load Balancing and Failover connectivity, suitable for handling Fibre to the Premises (FTTP) and Gigabit Internet connections. The Vigor 2927 offers up to 950Mbps per-WAN of Hardware Accelerated throughput while retaining its full feature set.
Draytek Vigor 2927 Key Features

ï¿½ Gigabit Dual-WAN Ethernet WAN Router with Load Balancing & Failover
ï¿½ Up to 950Mbps Throughput per WAN interface, 1800Mbps in total
ï¿½ Up to 300Mbps IPsec VPN Throughput
ï¿½ 50 LAN-to-LAN & Remote Teleworker VPN Tunnels
ï¿½ 25 DrayTek SSL VPN Tunnels
ï¿½ 5+1 Gigabit RJ-45 LAN Ports
ï¿½ 8 LAN Subnets with VLANs (Port-based / 802.1q)
ï¿½ SPI Firewall and Content Filtering

Dual Gigabit WAN Load BalancerMake full use of Fibre Broadband with the Vigor 2927’s Gigabit throughput per-WAN. Up to 1.8Gbps total combined throughput with Firewall, Content Filtering and Quality of Service.Benefits: Unleash the full potential of Fibre broadband. High speed, Gigabit CPE with flexible application.Ideal VPN Router for Small to Medium BusinessesProvide fast and secure VPN access, with up to 50 VPN tunnels enabling remote workers to access network resources and connect to remote sites with DrayTek SSL VPN and OpenVPN support.Benefits: Provide secure, encrypted network access for remote workers.5+1 Gigabit LAN Ports Attach computers, servers and network attached storage directly, with up to 6 Gigabit LAN ports. Use VLANs to supply Broadband and VPN connectivity to as many as 8 separate networks. Benefits: Improve quality of service for private and guest data traffic. Mix fixed and virtual configurations. Designed for Centralised Management Configure and manage the Vigor 2927 series remotely through the VigorACS central management platform. Benefits: Save time and money. Easily provision, monitor and manage remote sites without on-site IT or dedicated staff.
Draytek Vigor 2927 - Technical Specifications
Physical Interfaces
NAT Performance:

ï¿½ 950 Mb/s NAT Throughput for Single WAN with Hardware Acceleration
ï¿½ 1.8Gb/s Total NAT Throughput for Dual WAN with Hardware Acceleration
ï¿½ 800 Mb/s NAT Throughput per WAN
ï¿½ 60,000 NAT Sessions
ï¿½ 8000 Hardware Accelerated NAT Sessions

VPN Performance:

ï¿½ 300 Mb/s IPsec (AES256) VPN Performance
ï¿½ 800 Mb/s Hardware Accelerated IPsec VPN Performance - (requires f/w 4.2.1)
ï¿½ 120 Mb/s SSL VPN Performance
ï¿½ Max. 50 Concurrent VPN Tunnels
ï¿½ Max. 25 Concurrent SSL VPN / OpenVPN Tunnels

Draytek Vigor 2927 Dual-WAN Firewall VPN Router

WAN Interface

ï¿½ WAN1: Gigabit Ethernet
ï¿½ WAN2: Gigabit Ethernet
ï¿½ WAN3: 4G/LTE USB Modem (not included, see supported 4G/LTE modem list)
ï¿½ WAN4: 4G/LTE USB Modem (not included, see supported 4G/LTE modem list)

Internet Connection

ï¿½ Load Balancing: IP-based, Session-based
ï¿½ Hardware Acceleration
ï¿½ 802.1p/q Multi-VLAN Tagging
ï¿½ Multi-VLAN/PVC
ï¿½ WAN Active on Demand: Link Failure, Traffic Threshold
ï¿½ Connection Detection: PPP, ARP Detect, Ping Detect
ï¿½ WAN Data Budget
ï¿½ Dynamic DNS
ï¿½ DrayDDNS – with automated LetsEncrypt Certificates
ï¿½ Full Feature-set Hardware Acceleration (requires f/w 4.2.1)

ï¿½ Hardware Accelerated Quality of Service
ï¿½ Multi-WAN Data Budget
ï¿½ Traffic Graph & Data Flow Monitor
ï¿½ Bandwidth Limit

ï¿½ IPv4 Connection Types: PPPoE, DHCP, Static IP, PPTP/L2TP
ï¿½ IPv6 Connection Types:

ï¿½ Ethernet: PPP, DHCPv6, Static IPv6, TSPC, AICCU, 6rd, 6in4 Static Tunnel
ï¿½ USB 4G/LTE Modem: TSPC, AICCU

Firewall and Content Filtering

ï¿½ IP-based or User-based Firewall Policy
ï¿½ User-based Time Quota
ï¿½ DoS Attack Defence
ï¿½ Spoofing Defence
ï¿½ Content Filtering:

ï¿½ Application Content Filter
ï¿½ URL Content Filter
ï¿½ DNS Keyword Filter
ï¿½ Web Features
ï¿½ Web Category Filter (requires GlobalView subscription)

NAT Features

Draytek Vigor 2927 Dual-WAN Firewall VPN Router

ï¿½ NAT Port Redirection
ï¿½ Open Ports
ï¿½ Port Triggering
ï¿½ DMZ Host
ï¿½ UPnP
ï¿½ ALG (Application Layer Gateway): SIP, RTSP, FTP, H.323
ï¿½ VPN Pass-Through: PPTP, L2TP, IPsec

LAN Management

ï¿½ 802.1q Tag-based, Port-based VLAN
ï¿½ Up to 8 LAN Subnets (NAT or Routing mode selectable per LAN interface)
ï¿½ Up to 16 VLANs
ï¿½ DMZ Port
ï¿½ DHCP Server:

ï¿½ Multiple IP Subnet
ï¿½ Custom DHCP Options
ï¿½ Bind-IP-to-MAC
ï¿½ DHCP Pool Count up to 1022 addresses for LANs 1-3
ï¿½ DHCP Pool Count up to 253 addresses for LANs 4-8
ï¿½ DHCP Relay per LAN

ï¿½ LAN IP Alias
ï¿½ Wired 802.1x Port Authentication
ï¿½ Port Mirroring
ï¿½ Local DNS Server
ï¿½ Conditional DNS Forwarding
ï¿½ Hotspot Web Portal
ï¿½ Hotspot Authentication: Click-Through, Social Login, SMS PIN, Voucher PIN, RADIUS,
External Portal Serve

Networking features

ï¿½ Policy-based Routing: Protocol, IP Address, Port, Domain/Hostname, Country
ï¿½ High Availability: Active-Standby, Hot-Standby
ï¿½ DNS Security (DNSSEC)
ï¿½ Local RADIUS server
ï¿½ SMB File Sharing (Requires external storage)
ï¿½ Multicast: IGMP Proxy, IGMP Snooping & Fast Leave, Bonjour
ï¿½ Routing Features: IPv4 & IPv6 Static Routing, Inter-VLAN Routing, RIP v1/v2/ng, BGP

VPN Facilities

ï¿½ Up to 50 active VPN tunnels - including up to 25 SSL VPN or OpenVPN Tunnels
ï¿½ Up to 16 Hardware Accelerated 800Mb/s IPsec tunnels – (requires f/w 4.2.1)
ï¿½ LAN-to-LAN - Dial-In VPN Server & Dial-Out VPN Client
ï¿½ Teleworker-to-LAN – Dial-In VPN Server
ï¿½ User Authentication: Local, RADIUS, LDAP, TACACS+, mOTP
ï¿½ IKE Authentication: Pre-Shared Key and Digital Signature (X.509)
ï¿½ Encryption: MPPE, DES, 3DES, AES (128/192/256)

Draytek Vigor 2927 Dual-WAN Firewall VPN Router

ï¿½ Authentication: SHA-256, SHA-1
ï¿½ VPN Trunk (Redundancy): Load Balancing, Failover
ï¿½ Dead Peer Detection (DPD)
ï¿½ IPsec NAT-Traversal (NAT-T)
ï¿½ Virtual IP Mapping – Resolve VPN IP subnet/range conflicts
ï¿½ DHCP over IPsec
ï¿½ DrayTek VPN Matcher – Connect to a VPN router that’s behind NAT/CG-NAT
ï¿½ VPN Protocols:

ï¿½ IPsec IKEv1, IKEv2, IKEv2 EAP
ï¿½ IPsec-XAuth
ï¿½ DrayTek SSL VPN
ï¿½ OpenVPN (Remote Dial-In User only)
ï¿½ GRE over IPsec
ï¿½ PPTP
ï¿½ L2TP, L2TP over IPsec

Bandwidth Management

ï¿½ IP-based Bandwidth Limit
ï¿½ IP-based Session Limit
ï¿½ User-based Data Quota

Quality of Service (QoS)

ï¿½ Classify via TOS, DSCP, 802.1p, IP Address, Service Type
ï¿½ 4 Priority Queues
ï¿½ App QoS
ï¿½ VoIP Prioritization
ï¿½ Class-based Outbound Traffic Tagging: DSCP & IP Precedence

Management

ï¿½ Local Service: HTTP, HTTPS, Telnet, SSH, FTP, TR-069
ï¿½ Config File Export & Import
ï¿½ Import Config from Vigor 2926
ï¿½ Auto Backup Config to USB Storage
ï¿½ Firmware Upgrade via TFTP, HTTP, TR-069
ï¿½ 2-Level Administration Privilege
ï¿½ Access Control Features: Access List, Brute Force Protection
ï¿½ Syslog
ï¿½ SMS, E-mail Notification Alert
ï¿½ SNMP: v1, v2c, v3
ï¿½ Managed by VigorACS

Router Central Management Features

ï¿½ AP Management: Up to 20 VigorAP access points
ï¿½ Switch Management: Up to 10 VigorSwitch network switches
ï¿½ VPN Management: Up to 8 Vigor routers

Draytek Vigor 2927 Dual-WAN Firewall VPN Router

Operating Requirements

ï¿½ Rack Mountable (Optional Vigor RM1 mounting bracket required)
ï¿½ Wall Mountable
ï¿½ Temperature Operating: 0 °C ~ 45 °C
ï¿½ Storage: -25 °C ~ 70 °C
ï¿½ Humidity 10% ~ 90% (non-condensing)
ï¿½ Power Consumption:
ï¿½ Operating Power: DC 12V (via external PSU, supplied)
ï¿½ Warranty : Two (2) Years RTB
ï¿½ Power Requirements : 220-240VAC
ï¿½ Dimensions:

ï¿½ 241mm Width
ï¿½ 165mm Depth
ï¿½ 44mm Height

Box Contents

ï¿½ Vigor 2927 router
ï¿½ Quick Start Guide
ï¿½ Screws & wall plugs for wall mounting
ï¿½ 2m Cat-5e RJ-45 Network Cable
ï¿½ DC 12V Power Supply with UK Plug

Price: £198.90