

DrayTek

Vigor 2928be

Multi-Gigabit Multi-WAN Wired
FTTP Firewall VPN Router with BE7200



[Datasheet](#)

Product Overview

The Ideal FTTP Gateway for Fast, Secure Business Networks

A high-speed FTTP business router with integrated firewall, 10GbE connectivity, and multi-gigabit WAN and LAN interfaces, designed for demanding fibre environments. It delivers powerful routing performance, dependable WAN failover, secure VPN connectivity for remote workers, and flexible multi-gigabit LAN connectivity. An ideal next-generation FTTP gateway for SMBs, branch offices, and organisations that need a fast, secure, and flexible network foundation.

The Vigor 2928be delivers next-generation Wi-Fi 7 (802.11be) connectivity, providing faster speeds, lower latency, and improved wireless efficiency. It supports advanced Wi-Fi 7 technologies such as Multi-Link Operation (MLO) for enhanced reliability and reduced latency, 4K-QAM for increased throughput, and MU-MIMO/OFDMA to optimise performance in busy wireless environments. These capabilities make the Vigor 2928be ideal for cloud applications, video collaboration, hybrid working, and high-speed file transfers, while maintaining stable and responsive connections for multiple devices simultaneously.

Key Features & Benefits

Multi-WAN FTTP 10Gb Router

Fully compatible Fibre FTTP router with future-ready 10Gb interface. Delivers up to 9.1Gbps throughput with integrated Firewall, Content Filtering and Quality of Service for secure, optimised network performance.

Benefits: Compatible with a wide range of ISPs. Flexible deployment for business or high-performance networks.

BE7200 Wi-Fi 7 Performance

High-performance BE7200 Wi-Fi 7 with Multi-Link Operation (MLO), OFDMA and 4K-QAM for faster speeds, lower latency and greater wireless efficiency.

Benefits: Support more devices with smoother streaming, faster downloads, and reliable wireless performance.

High-Performance VPN

Supports up to 50 VPN tunnels with 540Mbps IPsec throughput. Ideal for secure remote access and connecting multiple offices seamlessly.

Benefits: Secure remote access. Scalable for multiple users.

Multi-Gigabit LAN Connectivity with VLAN Support

Connect computers, servers, NAS, and high-speed devices directly with multiple LAN ports. Use VLANs to create separate networks for broadband, VPN, or guest access.

Benefits: Optimise traffic for different users. Flexible mix of physical and virtual networks.

Advanced Firewall & Content Filtering

Integrated SPI firewall, DoS protection, and content filters keep your network safe while controlling access and blocking unwanted content.

Benefits: Enhanced network security. Flexible content management

Flexible Standalone or Centralised Management

Operate the router independently or manage multiple devices via VigorACS for streamlined monitoring and control.

Benefits: Easy management. Scalable for growing networks.

Key Specification

- Multi-WAN Ethernet FTTP Router with Failover and Load Balancing
- 10 Gigabit and SFP+ Ports for future-proof connectivity
- Up to 9.1Gbps Total Maximum Throughput
- Up to 540Mbps IPsec VPN Throughput
- 50 LAN-to-LAN & Remote Teleworker VPN Tunnels
- Switchable 10GbE/SFP+ and dedicated 1x 2.5GbE and 3x GbE RJ-45 LAN Ports
- QoS and VLAN support for traffic prioritisation and network segmentation
- MLO – Multi-Link Operation for higher speeds and lower latency
- SPI Firewall and Content Filtering
- Optional VigorCare Available
- Can be centrally Managed by VigorACS

Vigor 2928 Router Models

UK Product Code	EAN	Product Name	Product Description
V2928-K	4711637180244	Vigor 2928 (UK/IE)	Vigor 2928 Multi-Gigabit Multi-WAN Wired FTTP Router
V2928BE-K	4711637180978	Vigor 2928be (UK/IE)	Vigor 2928be Multi-Gigabit Multi-WAN FTTP Router with BE7200 Wireless

Technical Specification (UK Hardware Spec.)

Physical Interfaces

- WAN Port (P1): 1x Gigabit Ethernet (1G/100M/10M), RJ-45
- P2/P3/P4: 2 can be used out of 3 at once
- WAN Port (P2): 1x 10G/1G SFP+ Slot
- WAN/LAN Switchable (P3): 1x 10 Gigabit Ethernet (10G/2.5G/1G/100M/10M), RJ-45
- LAN Port (P4): 1x 10G/1G SFP+ Slot
- LAN Port (P5): 1x 2.5Gigabit Ethernet (2.5G/1G/100M/10M), RJ-45
- LAN Ports (P6-P8): 3x Gigabit Ethernet (1G/100M/10M), RJ-45
- 2x USB 2.0 Ports for LTE Modem, Thermometer or Printer
- 2x Removable Wireless LAN antennas ('be' models)
- Wireless On / Off / WPS button ('be' models)
- Recessed Factory Reset button

WAN Interfaces

- WAN1: Gigabit Ethernet
- WAN2: 10G/1G SFP+ Slot
- WAN3/LAN Switchable Port: 10 Gigabit Ethernet
- WAN4: 2.4GHz Wireless WAN ('be' models)
- WAN5: 5GHz Wireless WAN ('be' models)
- WAN7: LTE USB Modem (not included)
- WAN8: LTE USB Modem (not included)

Performance

- NAT Performance:
 - Up to 9.3 Gb/s NAT Throughput
 - 60,000 NAT Sessions
- VPN Performance:
 - Up to 540 Mb/s IPsec VPN Performance
 - Max. 50 Concurrent VPN Tunnels

Internet Connection

- Load Balancing and Failover / Backup WAN
- 802.1p/q Multi-VLAN Tagging
- Multi-VLAN/PVC
- Connection Detection: ARP Detect, Ping Detect
- WAN Data Budget
- Dynamic DNS
- DrayDDNS – with automated Let's Encrypt Certificates
- IPv4 Connection Types: PPPoE, DHCP, Static IP
- IPv6 Connection Types: Ethernet: PPP, Static IPv6, DHCPv6, TSPC, 6in4, 6rd

Wireless Features ('be' models)

- BE7200 Wi-Fi 7 Wireless:
 - 802.11be 4x4 wireless access point
 - Backwards Compatible with 802.11a/b/g/n/ac/ax wireless
 - Dual-band (2.4GHz/5GHz) simultaneous wireless
 - Up to 5764 Mbps PHY rate at 160MHz with 5GHz
 - Up to 1376 Mbps PHY rate at 40MHz with 2.4GHz
 - Channel Bandwidth: 20/40MHz for 2.4GHz, 20/40/80/160MHz for 5GHz
 - Multi-Link Operation (MLO)
 - Zero-Wait DFS for 5GHz Channels
 - OFDMA
 - 4x4 MU-MIMO
- 4096-QAM (4K-QAM)
- Mesh Root support with DrayTek VigorAP Mesh Nodes^
- Up to 8 SSIDs (4 per radio band)
- Extended 5Ghz Band - Channels 36-48, 52-64, 100-140
- WMM (Wireless MultiMedia)
- WPS - Wi-Fi Protected Setup
- Wireless Security:
 - WPA3 Personal
 - WPA3/WPA2 Personal
 - WPA2 Personal
 - WPA2/WPA Personal
 - WPA3 Enterprise
 - WPA2 Enterprise
 - WPA2/WPA Enterprise
 - OWE
 - Legacy: WPA Personal, WPA Enterprise, WEP Personal for Legacy Clients
 - Pre-Shared Key authentication
 - Enterprise 802.1x authentication
 - Identity Access Policies (MAC address, Login, Guest Hotspot)

Antenna Specifications ('be' models)

- Wireless Antennas:
 - 2x External Dipole
 - RP-SMA fitting antenna connectors
 - 4x Internal antennas

Router-based Central Management Features:

- Virtual AP Controller: Up to 20 VigorAP wireless access points
- Virtual Switch Controller: Up to 5 VigorSwitch network switches

Firewall & Content Filtering

- IP-based or User-based (IAM) Firewall Policy
- User-based Time Quota (IAM)
- DoS Attack Defence
- Spoofing Defence
- Content Filtering:
 - Application Content Filter
 - URL Content Filter
 - Web Category Filter*

NAT Features

- NAT Port Forwarding/Redirection
- DMZ Host
- Port Trigger
- UPnP
- ALG (Application Layer Gateway): SIP, RTSP
- NAT Traversal (NAT-T)

LAN Management

- 802.1q Tag-based VLAN
- Up to 8 LAN Subnets (NAT or Routing mode selectable per LAN interface)
- Up to 8 VLANs
- DHCP Server:
 - Multiple IP Subnet
 - Custom DHCP Options
 - Bind-IP-to-MAC
 - DHCP Relay per LAN
- Wired 802.1x Port Authentication
- Port Mirroring
- Conditional DNS Forwarding
- Hotspot Web Portal
 - Hotspot Authentication: Click-Through, External Portal Server, Social Login

Networking Features

- Policy-based Routing: Protocol, IP Address, Port, Domain/Hostname
- DNS Security (DNSSEC)
- Local RADIUS server
- SMB File Sharing (Requires external USB storage)
- Routing Features: IPv4 & IPv6 Static Routing, Inter-VLAN Routing, RIP v1/v2/ng, BGP, OSPF

Bandwidth Management

- IP-based Bandwidth Limit
- IP-based Session Limit
- QoS (Quality of Service):
 - Classify via TOS, DSCP, 802.1p, IP Address, Service Type
 - 4 Priority Queues
 - App QoS
 - VoIP Prioritization

Management

- Local Service: HTTP, HTTPS, Telnet, SSH v2, FTP, TR-069
- Config Backup/Restore
- Firmware Upgrade: WUI (Web User Interface), TFTP, TR-069
- Role-based Privilege
- Access Control Features: Access List, Brute Force Protection
- Syslog
- SMS, E-mail Notification Alert
- SNMP: v1, v2c, v3
- Compatible with DrayTek VigorACS Management Platform**

VPN Features

- Up to 50 active VPN tunnels
- Up to 540Mb/s IPsec
- LAN-to-LAN - Dial-In VPN Server & Dial-Out VPN Client
- Teleworker-to-LAN - Dial-In VPN Server
- IKE Authentication: Pre-Shared Key and Digital Signature (X.509)
- Encryption: DES, 3DES, AES (128/192/256)
- Authentication: SHA-256, SHA-1
- Dead Peer Detection (DPD)
- IPsec NAT-Traversal (NAT-T)
- DHCP over IPsec
- VPN Protocols:
 - IPsec IKEv1, IKEv2, IKEv2 EAP
 - IPsec-XAuth
 - OpenVPN
 - WireGuard
 - EasyVPN - New!
- User Authentication:
 - Local
 - RADIUS
 - TACACS+
 - TOTP - Time-based One Time Password, compatible with Google Authenticator

Operating Requirements

- PPSU Power Requirements: 100-240VAC
- Power Consumption (Watts, maximum):
- Vigor 2928: 33.6W
- Temperature Operating: 0 °C ~ 45 °C
- Storage: -25 °C ~ 70 °C
- Humidity 10% ~ 90% (non-condensing)
- Wall or Shelf Mountable
- Rack Mountable (Optional Vigor RM1 mounting bracket required)

Physical Specifications

- Dimensions:
 - 241mm Width
 - 210mm Depth
 - 44mm Height
- Weight
 - Vigor 2928be: 1.157 kg

Box Contents

- Vigor 2928be router
- 2x Detachable Wireless LAN Antennas ('be' models)
- Quick Start Guide
- RJ-45 Network Cable
- DC 12V Power Supply with UK Plug

ROHS, UKCA & CE Compliant Warranty

- Standard: Two (2) Year, RTB
- Software security updates:
- 5 years after the EOL notification. Please note that this only applies to products sold in the UK
- VigorCare Extended Warranty
 - VigorCare B3 3 Year Subscription: VCARE-B3
 - VigorCare B5 5 Year Subscription: VCARE-B5
- ROHS
- UKCA
- CE
- PSTI

* - subscription required: Group A, URLR-A (includes free 30-day trial)

** - VigorACS subscription required