DrayTek

Vigor 2620 Ln

A unique router with VDSL and LTE, Dual SIM 4G/LTE and versatile Multi-WAN Failover.

Fast. Smart. Reliable.

Product Overview

Vigor 2620Ln is a unique product with VDSL and LTE modems in one box, with 2 embedded SIM card slots for 4G/LTE failover and versatile Multi-WAN Failover for guaranteed ultra-resilient service.

Key Features & Benefits

LTE 4G/3G Modem - Up to 150Mbps

Integrated LTE 4G/3G (Category 4) modem, with speeds up to 150Mbps Downstream and 50Mbps Upstream. Compatible with EE, Vodafone, O2 and Three mobile networks and any MVNOs on those networks.

Benefits: High speed Mobile Broadband. Versatile Connectivity.

VDSL2 & ADSL2+ Modem

Connect the Vigor 2620Ln to Fiber to the Cabinet (FTTC) VDSL2 or ADSL, with support for VDSL2 Vectoring. Openreach MCT approved & SIN498 compliant.

Benefits: Compatible with all ISPs in the UK and Ireland

Constant Connectivity - Dual-SIM LTE

For primary and backup mobile broadband connections. Automatically switches to the backup SIM if the main SIM's connection drops, or experiences significant delays.

Benefits: Safeguard against mobile network outages. Ensures high availability.

Virtual Private Networking

Create a secure LAN-to-LAN VPN tunnel your remote office to the main office. Supports Ipsec IKEv1, IKEv2, DrayTek SSL Tunnel and L2TP with Ipsec. Dial-In to the Vigor 2620Ln's network with DrayTek SSL VPN.

Benefits: Securely encrypted network access.

Versatile Multi-WAN Failover

Connect the Vigor 2620 to 4G mobile broadband, ADSL2+, VDSL2 or Ethernet. If the primary connection fails, the Vigor 2620Ln automatically resumes connectivity with its Failover connections.

Benefits: Highly adaptable. Ensures high availability.

SMS Monitoring & Control

SMS text messages through the web interface that will help you check the connection status, its current Internet IP, uptime & data usage.

Benefits: Easily manage the Vigor 2620Ln and its SIMs remotely.

Gigabit LAN Ports and VLANs

Attach Computers, Servers and Network Attached Storage to the Vigor 2620Ln, with 2 Gigabit (10/100/1000Mbps) LAN ports. Use VLANs to supply broadband & VPN connectivity to 2 networks.

Benefits: Separate private & guest networks. Make full use of LTE 4G bandwidth.

Designed for Centralised Management

Configure and manage the Vigor 2620Ln remotely through the VigorACS central management platform.

Benefits: Saves time and money.

Key Specification

Multi-WAN Router with Failover
4G/LTE with dual-SIMs for second backup telco
VDSL/ADSL Port for wired broadband
Ethernet (RJ45)
IPv4/IPv6 Dual-Stack
2 Gigabit LAN Ports
Removable LTE/4G Antenna

Built-in Wireless LAN (802.11n)
Quality of Service Assurance
Dial-out LAN-to-LAN VPN
Incoming SSL VPN
VLANs (Port, 802.1q & Wireless)
Optional VigorCare Available
Can be centrally Managed by VigorACS

Full Specifications

LAN Ports (Switch):
- 2 x Gigabit Ethernet (1000Mb/s) Ports (P2 switchable to WAN2 port)

WAN Ports (one as primary, others as failover):
- WAN1 : ADSL/VDSL - RJ-11
- WAN2 : Gigabit Ethernet - RJ-45
- LTE : 3G/4G/LTE modem - Dual-SIM Slot
- 2 x Removable LTE Wireless antennas
- Wireless On / Off / WPS button
- Recessed Factory Reset button

Performance:
- Firewall: Up to 300Mb/s
- NAT Sessions: 30,000
- Wireless LAN: Up to 300Mb/s (2 Spatial Streams @ 40MHz)
- IPSec VPN: Up to 50Mb/s (using AES 256-bit encryption)
- SSL VPN: Up to 25Mb/s

4G LTE Modem Features:
- Dual SIM
- LTE Category 4
- Unlocked to any network (BT, EE, 3, O2, Vodafone, Eircom)
- LTE FDD
- Supported Frequency Bands: 1, 3, 7, 8, 20
- Max Data Rates:
- 150Mbps Downlink
- 50Mbps Uplink
- 2 Standard-Size SIM Slots (primary & backup)
- Removable SIM slot cover
- 2 Removable LTE Wireless Antennas (SMA connector fitting)
- SMS Inbox - Send & Receive SMS text messages
- SMS Router Commands - Status Report, Reboot via text message

Wireless LAN Features:
- 2.4GHz - 802.11b/g/n Wireless
- Wireless LAN On/Off button
- 2 Internal Wireless Antennas
- Up to 4 SSIDs
- Whitelist / Blacklist individual wireless clients per SSID (by MAC address)
- Time Scheduling for Wireless radio and/or individual SSIDs
- Active Client list in Web Interface
- Station Control, limit wireless client access time per day
- Wireless Rate-Control
- Wireless Client Isolation per SSID
- WPA/WPA2 Encryption
- Access Point Discovery
- WDS (Wireless Distribution system) for WLAN Bridging and Repeating
- WMM (Wi-Fi Multimedia) support

Firewall & NAT Features:
- 40 Port Redirection rules
- 40 Open Port rules (10 port ranges per rule)
- DMZ Host
- Configurable SIP (VoIP) & RTSP Application Layer Gateway (ALG) services
- Policy-Based Firewall
- MAC Address Filter
- SPI (Stateful Packet Inspection) with FlowTrack Mechanism
- DoS / DDoS Protection
- IP Address Anti-spoofing
- E-Mail Alert and Logging via Syslog
- Bind IP to MAC Address
- Object-based Firewall to apply rules to Objects / Groups as well as subnet/network addresses
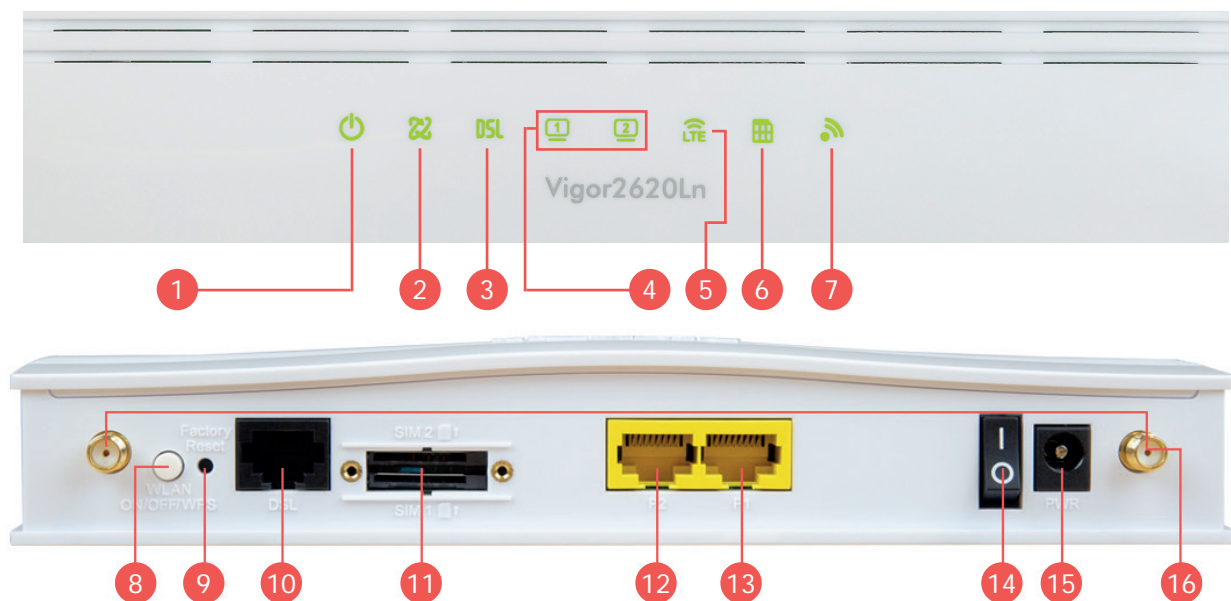
1 Power	5 LTE link	9 Reset button	13 LAN GbE, RJ-45
2 Internet	6 Sim status	10 RJ-11 for ADSL/VDSL	14 Power on/off switch
3 VDSL/ADSL link	7 Wireless	11 2x standard-sized SIM	15 Power input
4 LAN ports	8 Wireless/WPS button	12 LAN/WAN Switchable GbE, RJ-45	16 2x LTE antenna fitting

Full Specifications

Content Security Management (CSM) Features:
- Part of the DrayOS Object based Firewall system
- Apply Content Filtering to specific IP ranges and subnets
- Apply different Content Filter profiles to different groups
- Schedule restrictions to specific times of day
- URL Keyword Filtering:
- Whitelist or Blacklist specific sites or keywords in URLs
- Prevent accessing of web sites by using their direct IP address (thus URLs only)
- Web Content Filtering:
- Block Web sites by category e.g. Adult, Gambling etc.
- Includes free 30-day trial
- App Enforcement:
- Block access to services and applications passing through the router
- Block popular P2P (Peer-to-Peer) file sharing programs
- Control access to Instant Messaging programs such as Skype, Whatsapp and Facebook Messenger
- Block VPN connections and other Tunneling services being established through the router
- Control access to Streaming services such as Youtube

Bandwidth Management:
- Temporary (5 minute) Quick Blocking of any LAN Client
- Bandwidth Limit (Shared or individual limit)
- Smart Bandwidth Limitation (Triggered by Traffic / Session)
- Session Limit

Quality of Service (QoS):
- Guaranteed Bandwidth for VoIP
- Class-based Bandwidth Guarantee by User-Defined Traffic Categories
- Layer 2&3 (802.1p & TOS/DCSP)
- DiffServ Code Point Classifying
- 4-level Priority for each Direction (Inbound / Outbound)
- Bandwidth Borrowing

Dial-in (Host) VPN Facilities:
- SSL VPN (TLS) connections
- 2 Concurrent active Remote Dial-In User VPN Tunnels

LAN-to-LAN Dial-Out VPN Facilities:
- 2 Concurrent active dial out VPN Tunnels
- VPN Pass-Through
- Tunnelling Protocols:
- PPTP
- IPSec
- L2TP
- L2TP over IPSec
- DrayTek SSL
- IPSec Features:
- Internet Key Exchange : IKEv1 (Main and Aggressive mode) & IKEv2
- Security Protocols : AH mode, ESP mode
- IKE Authentication : Pre-shared Key or X.509 Digital Signature
- DHCP over IPSec
- NAT-Traversal (NAT-T)
- Dead Peer Detection (DPD)
- Virtual IP Mapping, map a remote IP subnet/range to another range to resolve IP subnet/range conflicts
- DiffieHelman (DH) Groups:
- IKEv1 : 1,2,5,14
- IKEv2 : 1,2,5,14,19,20,21
- Encryption:
- DES / 3DES (168bits)
- AES (128/192/256bits) - Hardware-Accelerated
- Authentication - Hardware-Accelerated:
- MD5
- SHA-1
- SHA-256

Network Features:
- 2 LAN Subnets with NAT/Routing modes (IPv4)
- IPv6 Subnet (as provided by your ISP)
- LAN Clients : Up to 253 per subnet
- Multi Subnet DHCP Servers with DHCP Relay
- Port-Based VLAN (Inclusive/Exclusive Groups)
- 802.1q VLAN Tagging
- Custom DHCP Option support
- Port Mirroring
- Dynamic DNS
- DrayTek DrayDDNS Support
- DNS Transparent Proxy
- DNS Caching
- NTP Client (Synchronise Router Time)
- Maximum MTU 1534

Router Management:
- Web-Based User Interface (HTTP / HTTPS)
- CLI (Command Line Interface) via Web Console, Telnet or SSH
- Administration Access Control
- SMS Alert Service
- Brute Force Protection
- Configuration Backup / Restore
- Built-in Diagnostic Function (ping, traceroute)
- Firmware Upgrade via Web Interface, TFTP, VigorACS
- Logging via Syslog
- SNMP v2 & v3 Management with MIB-II
- TR-069
- TR-104
- Access Point Management: Centrally Manage 2 DrayTek VigorAP wireless access points

WAN Features:
- WAN Connection Fail-over
- WAN1 Service & Customer (double-tag) VLAN support
- IGMP Proxy - for compatibility with IPTV services
- Multi-PVC/VLAN virtual WAN interfaces for Management / IPTV services

WAN Protocols:
- DHCP Client
- Static IP
- PPPoE
- PPTP/L2TP (Ethernet WAN only)

ADSL & VDSL Compatibility:
- BT Infinity Option 1 & Option 2 Compatible
- BT SIN 498 MCT Approved
- Support for G.INP & Vectoring

ADSL Standards:
- ANSI T1.413 Issue2
- ITU-T G.992.1 G.dmt (ADSL)
- ITU-T G.992.2 G.lite
- ITU-T G.992.3 ADSL2
- ITU-T G.992.5 ADSL2+
- Annex L (READSL)
- Annex A
- Annex M
- ANFP Issue 3 Compliant/Certified (for Annex A & Annex M)
- DSL Forum : TR-048/67 & TR-100

VDSL Standards:
- ITU-T VDSL2 G.993.2
- ITU-T G.993.1, G.997.1
- Band Plan: G.998, G.997
- Annex A, Annex B, Annex C
- VDSL2 Profile: 8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a
- OLR, UPBO, DPBO Supported
- US0 Supported
- Loop Diagnostic Mode
- DSL Forum WT-114

ATM Protocols:
- RFC-2684/RFC-1483 Multiple Protocol over AAL5
- RFC-2516 PPP over Ethernet
- RFC-2364 PPP over AAL5
- PPPoE pass through LAN/WLAN
- PPPoE/PPPoA Relay
- Transparent bridge for MPoA
- Multiple PVC support for Triple Play Applications (up to 8 simultaneous)
- Support for RFC4638 for MTU up to 1500

Operating Requirements:
- Wall Mountable
- Operating Temperature : 0 °C ~ 45 °C
- Storage Temperature : -25 °C ~ 70 °C
- Humidity 10% ~ 90% (non-condensing)
- Power Consumption: 12 Watt Max.
- Dimensions:
- Length: 207mm
- Width: 131mm
- Height: 39mm
- Weight: 440g (without antenna)
- Operating Power: DC 12V 1A (via external PSU, supplied)
- Warranty : Two (2) Years RTB
- Power Requirements : 220-240VAC