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Draytek Vigor2865Lac

A performance focused multi-WAN router with dual SIM LTE and VDSL2 connectivity.

The DrayTek Vigor2865 router series has a large number of models, which includes an option with inbuilt 4G connectivity. The LTE equipped routers come in two otherwise identical versions, with and without Wi-Fi. The router also includes an ADSL2+ / VDSL modem, which supports 35B Supervectoring for higher connection speeds. The Vigor2865Lac (as tested) has five fixed gigabit LAN ports, one LAN/WAN connection, USB 2.0, and also adds in 802.11ac Wi-Fi, providing 400Mbps on 2.4GHz, and 86Mbps on the 5GHz band.

The 2865L series makes it easy for businesses to utilise a high speed internet connection away from the office, or provide multiple connection options for performance and redundancy. It also gives an option for easy to use SMS marketing via VigorSMS. The LTE modem uses dual antennas (with 1m cables, and magnetic bases), and is rated for cat 6 4G, with downloads of up to 300Mbps and uploads of 50Mbps. The 2865L supports the normal frequency bands needed for use in Australia across all providers. The LTE connection can be configured in a variety of ways, including acting as a backup, or

Specifications

WAN Port: 1x LAN/WAN, 1x RJ-11; LAN Ports: 5x RJ-45 1GbE ; LTE: Cat 6 4G/3G Dual Sim; USB: 1x USB 2.0; Wi-Fi: 802.11ac; VPN Tunnels: 32; NAT Throughput: 800 Mbps; NAT Sessions: 60k.

kicking in when extra bandwidth is needed. You can run dual sim cards from different providers, to provide a failover to a completely different 4G network.

The Vigor2865 series includes hardware acceleration and has a robust firewall and security options. It provides a fairly impressive 800Mbps of NAT throughput (and up to 1.3Gbps with hardware acceleration in certain configurations) as well as 300 Mbps of IPSec VPN (and 130Mbps of SSL-VPN) throughput. You also get 60k NAT sessions, which is suitable for large networks with 50+ devices. The router also supports 32 VPN tunnels, and 16 SSL-VPN, plus 16 VLANs and eight LAN Subnets.

During testing, we found the Draytek web console dense but quite straightforward to use. There is also a large amount of support and knowledge base information available online. We tested the Wi-Fi version of the 2865L series, and found coverage and

performance fairly good. The 2865Lac managed 657Mbps up close, and 302 Mbps at 10m range. Keep in mind that typically the Vigor2865 would be paired up with wireless access points, which will provide longer range and better throughput. During LTE testing, the 2865Lac was easily able to achieve higher speeds than other LTE devices on the same network.

The 2865 series is designed to be able to control a larger Draytek network – either directly via the Vigor2865 web interface, or a software management solution called VigorACS. This TR-069 compliant application provides a central interface to manage compatible Draytek hardware, such as access points, routers and switches, and is a must-have feature for larger businesses.

All in all, the 2865L series is a versatile yet powerful business router for those who need LTE connectivity, while the rest of the 2865 lineup does a great job catering for more specific needs.

While not the cheapest router, the Draytek Vigor2865Lac provides flexible yet high performance connectivity options for modern business needs.

Lindsay Handmer

