We’re connected. Are you?
Connect all of your business equipment and clients using our advanced networking services that can extend your reach across the state, or across the country.

We can offer you:
• A range of connectivity options to extend your reach as far as you need it to go
• Connectivity for all your devices including voice, video and data equipment, giving you a seamless network experience
• The ability to tag and identify your most mission-critical data to ensure it gets priority during peak times

Key benefits
In choosing a Nexium IP VPN service, you are benefiting from our investment in high-speed telecommunication networks across Queensland. Our networks are built to the highest industry standards. This makes it perfectly suited to delivering enterprise-grade network services which can give you:
• 99.95% service availability within and between regional and metro centres – delivering industry standards across Queensland
• Commercial grade SLAs – including four hour turnaround of fault resolution once on site
• On call support – via Nexium’s Communications Network Operations Centres (CNOC) based in Rockhampton and Townsville. You will have access to on call support from a highly skilled team, proactively monitoring the network and responding immediately to any issues
• High-speed performance – delivering services 100’s of times the speed of ADSL
• Service scalability – giving you the flexibility to change and adapt to business demands, with the minimum amount of impact and cost.

What does that mean for you?
Quite simply, it means business “peace of mind”. As your solutions partner, Nexium understands the demands you face as a regional business, and is committed to helping you meet them head on.

Product overview
Nexium’s IP VPN service is a fully-meshed, layer-3 product that provides “any-to-any” connectivity over geographically diverse locations across Queensland. It uses industry-standard, Multi-Protocol Label Switching (MPLS) that allows a variety of IP-based devices to connect and communicate in a secure and seamless method.

The benefit is that your network is extended to any number of locations, acting as a logical “network cloud” rather than multiple point-to-point locations. It can be straightforward to expand the network and add additional sites without disruption to other locations.

Services offered
Nexium’s IP VPN service is application-aware, which allows customers to prioritise and segment data traffic to maximise the performance of critical applications.

Our IP VPN service is available over a range of different access types depending on your location, the required bandwidth, geographic coverage, and budget inclusive of:
• Fibre
• Radio/microwave
• Fixed wireless,
• External 3G/4G and DSL
• National Broadband Network (NBN) services, including FTTx and Hybrid-Fibre Coaxial services, fixed wireless and satellite (SkyMuster™) services. Note: a Fair Use Policy applies to NBN Satellite services.
Technical specifications

The below specifications are provided as general technical specifications relating to the IP VPN products. Please contact your Nexium account representative to discuss further.

<table>
<thead>
<tr>
<th>Fibre / Microwave / Radio</th>
<th>Fibre / Microwave / Radio</th>
<th>NBN</th>
<th>DSL</th>
<th>Wireless</th>
<th>Satellite</th>
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<tr>
<td>Ergon / Nexium</td>
<td>External carrier</td>
<td>FTTP / FTTN / wireless / satellite</td>
<td>External carrier</td>
<td>External carrier 3G / 4G</td>
<td>Ergon 3G</td>
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</tbody>
</table>

**General**

- Max MTU size (bytes)
  - 1526 to 9000

**Interface**

- Port speeds
  - 100Mb / 1Gb / 10Gb
  - 100Mb / 100Mb

**Reporting**

- Availability
- Jitter / delay / packet loss
- Utilisation
- Monthly reporting

**Routing Protocol**

- BGPv4
- Static
- Maximum routes
  - 100
- Routing Tables (full/default)
  - Full / Default

**Network Configuration**

- QoS available
- QoS classes
  - Real Time / Business Critical / Bulk Data / Best Effort
- DiffServ (DSCP)

**Performance Targets**

- Availability
- Packet loss
- Delay (RTT)
- Jitter

- Speeds (download/upload)
  - 512 Kbps to 10 Gbps
  - 512 Kbps / 512 Kbps
  - 1- 50 Mbps
  - 3.6 Mbps
  - 56 Kbps

**Core network latency**

Indicative average route trip time (RTT) below during normal conditions.

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**About Nexium**

If you’re looking to connect across Queensland, Nexium Telecommunications, as part of the Energy Queensland group of companies, offers you high capacity fibre optic connectivity where you need it, when you need it. Nexium utilises the reach of the Queensland transmission and distribution state-wide electricity network infrastructure to deliver exceptional telecommunications services and performance.

Contact us: 1300 798 976

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Web: www.nexium.net.au