



Fast, secure, guaranteed

Manage your connections to deliver a consistent network experience

Datacom's National Network provides a secure, carrier diverse network for accessing digital assets and public cloud resources across Australia, with guaranteed availability and throughput.



DATACOM

Network latency over the general internet will always vary, given that data routes are constantly changing between points. Using Datacom's National Network means you can choose which data utilises which dedicated connection and how that data is routed – to ensure a more consistent network experience for your users. It also means you'll be experiencing a high performance network from almost anywhere in Australia, 24/7.

Datacom's National Network

- Highly scalable, from 1Mbps to 10Gbps
- Low latency point to point connections
- Diversity: Geographic and carrier, utilising all of Datacom's Datacentres and third party providers
- Multiple bandwidth options with burst capabilities to accommodate peak traffic volumes, without having to maintain constant peak-level capacity and expenditure
- Increased security by keeping applications within your data centre's local area network
- Lower costs, enabled by reduced WAN expenses with points of presence in each state.
- MPLS WAN solutions

- Automated, near-real-time provisioning of cloud services from multiple providers, with enhanced service orchestration and management capabilities
- Connect your existing infrastructure with one of Datacom points of presence
- You can maintain network separation between public and private environments and reconfigure virtual interfaces with ease as your needs change
- Direct access to the cloud – Datacom's cloud nodes, AWS, Microsoft Azure & VMware vCloud
- Improved performance of cloud-based applications and workloads through high-throughput, low-latency connections
- On net provisioning upgrades within hours, not days/weeks
- Once connected easy to access our carrier agnostic IP service



Technical Specifications

Service Parameter	Datacom National Network
Nominal Rates (Mbit/s)	1, 2, 10, 25, 50, 100, 200, 300, 400, 500, 1000, 10000
Transport Technology	MPLS Core with Various Access Technologies
Core Protection	MPLS Path Protection
Latency Protection Time	Typically 50ms, up to 500ms
Availability	Uptime: 99.95%
User Network Interface	IEEE 802.3, IEEE 802.1Q
Ethernet Frame Size (DA to FCS, 1 Octet = 8 bits = 1 Byte)	1518 Octets for untagged traffic 1522 Octets for tagged traffic
Rate Measurement	Ethernet DA to FCS inclusive
Frame Loss Ratio	<0.01% for 'in contract' traffic
Frame Delay	Low
Inter-Frame Delay Variation	Low
Interface Standards	10baseT, 100baseTX, 1000baseLX
Interface Configuration	Typically Auto-Negotiate Enabled
Cloud connects	AWS, Azure, Office365, vCloud and Datacom Cloud Service (DCS)