



# data centre connect

*High performance links with low latency,  
ideal for data centre connections*

VERNet's Data Centre Connect offers cost effective connections to multiple Data Centres in Melbourne and Ballarat delivered through our extensive IP/MPLS network. Customers can choose between Virtual Private LANs using Layer 2 Ethernet connections or Layer 3 VPNs to connect to other sites or data centres as required. Typical applications for VERNet's Data Centre Connect are:

- ▶ Data replication
- ▶ Disaster recovery
- ▶ Server load balancing
- ▶ Distributed computing
- ▶ Offsite Storage Area Networks
- ▶ Network Attached Storage
- ▶ Offsite server hosting

VERNet is Victoria's high bandwidth network carrier – connecting research institutes, educational facilities, medical research facilities, hospitals and Government organisations throughout the state.

## KEY FEATURES

Carrier grade core network – highly reliable

Flexible design options – to match your needs

High Bandwidth – ideal for data centre connections

Future proof – capable of 100 Gb/s and beyond

24 x 7 network operations support





# specifications

Feature / Parameter	L2 VPLS	L3 VPN
Available service rates	From 100Mb/s to 10Gb/s, with support for 40Gb/s and 100Gb/s as required	
Physical Interface	1000 Base LX delivered for most installations	
	10G Base LR delivered for most installations	
Ethernet Frame Structure	IEEE 802.3, 802.1Q	
Frame Size	Up to 9000 Octets (Jumbo)	Up to 9000 Octets (Jumbo)
Transport Technology	Carrier grade MPLS Core	
Core Protection	MPLS path protection is provided with typically 50ms protection time	
Diversity	Physical diversity available	
SLA	Covered by SLA	
Frame Delay / Packet Latency	Target better than 45ms, less in metro areas	
Internet Protocol	N/A	IPv4 and IPv6
Routing Protocol	N/A	Static / BGP4
VLAN Transparency	Transparent to IEEE 802.1Q, 802.1AD	N/A
Technical Support	24x7 Network Operations Centre support (1300 VERNET)	