

Ethernet

Sydney <> Los Angeles

The Hawaiki Cable

- The Hawaiki submarine cable is the fastest and largest link between New Zealand, Australia, Hawaii and mainland United States.
- The cable spans 15,000km and is a carrier-neutral solution.
- The Hawaiki cable has a design capacity of 67 Tbps.
- The cable offers low-latency and high speed connectivity meeting the growing demand for bandwidth in the Pacific region.

Technical information

Service Details	Parameters
Service Locations	A side: Los Angeles, United States Z side: Sydney, Australia
Data	Unlimited
Access Types	<ul style="list-style-type: none"> • Direct cross connects in our PoP's • Fabric services <ul style="list-style-type: none"> » Megaport VXC » Equinix EIE » IXAU VLL » Packet Fabric VC Services can be connected with a mixture of access types
Interface Speed	100Mbps - 100Gbps (100Mbps increments)
Service Hand-Off	1G*, 10G, 25G**, 40G***, 100G***
Connection Options	Optical: Single Mode Fibre Optical: NTU Virtual: Fabric services
MTU	> 9000 exact MTU provided per circuit during delivery
Design Specifications	Latency optimised design. We opt to take the lowest latency path for primary circuits where applicable, with failover circuits for diversity and redundancy.
Service Features	<ul style="list-style-type: none"> • Point to point • Point to multipoint • Transparent C-VLAN passthrough
Diversity	Available <ul style="list-style-type: none"> • Unprotected and protected options • BiDi or multiple cross connects
Technical Support	Available 24/7 via the GSL Portal
SLA (Standard)	99.95% (where service is delivered over direct cross connect)
*NTU required ** Available in Singapore, Los Angeles, New York *** Additional costs involved	

Our solution

At Global Secure Layer, we provide secure, dedicated point-to-point or multipoint links of up to 10Gbit. GSL provides carrier-grade redundancy with private, reliable and low-latency paths. With data centres in major local and international locations, we ensure your business is globally connected.

Global Secure Layer can provide extended reach options for our customers using the Hawaiki cable. With available options extending across Oceania and North America, our Ethernet solution will ensure our customers stay internationally connected into major global hubs.

The below Latency Matrix outlines the expected 'router to router' latencies between sites.

Latency Matrix - (Optimal Path)					
Cable: Hawaiki					
A/Z Side	Sydney	Brisbane	Melbourne	Adelaide	Perth
Los Angeles	133ms	144.9ms	142.8ms	152ms	179.4ms

For further information on any of our Ethernet cables, please contact the GSL team.

HAWAIKI

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