

Ethernet

Singapore <> Japan

TGN-IA Cable

- The TGN-IA cable is a private intra-asia cable and is deliberately designed to avoid areas prone to earthquakes and other hazards.
- The TGN-IA cable spans 6800km, consists of 4 fibre pairs linking Singapore, Hong Kong and Japan. It has additional connection to the Philippines, Vietnam & Guam.
- The cable has a design capacity of 3.84 Tbit/s
- The intra-asia cable offers a low latency direct route between Singapore and Tokyo at 67ms.

Technical information

Service Details	Parametres
Service Locations	A side: Tokyo, Japan Z side: Singapore
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 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 TGN-IA 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: TGN - IA						
A/Z Side	Singapore	Perth	Adelaide	Melbourne	Sydney	Brisbane
Japan	67ms	112.8ms	140.2ms	149.4ms	159.2ms	171.1ms

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

