



# WAVELENGTH SERVICE

5GN Wholesale's Wavelength service is your own dedicated point to point connection, delivered end to end by our own equipment.





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5GN Wholesale Wavelength service provides you with your own dedicated point to point connection, delivered end to end by our own equipment. Unlock secure, dedicated and highly flexible capacity to support changing connectivity needs.

## Point to Point Transmission Delivered by 5GN Wholesale

Spanning Brisbane, Sydney, Melbourne, Adelaide, Perth and Singapore, 5GN Wholesale's Wavelength product is the extremely scalable, high bandwidth transmission service you've been waiting for. Supporting a wide range of client interfaces, metro, inter-capital and international connectivity options our transmission product is your one stop for Point to Point connectivity.

### Key Features

- 1.25Gbps to 50Gbps Wavelengths
- OTN, Ethernet, SDH/ SONET & Fibre Channel Interfaces
- Scalable as requirements change
- On premise or datacentre delivery
- AES-256 Encryption Available
- National and International Reach

### Who is it for?

Catering to businesses of all size. Does your business need secure, high capacity bandwidth delivered quickly with local support?



Customer Premises



Data Centre Premises

## Why choose a Wavelength Service from 5GN Wholesale?



### Monitored

Our transmission network is constantly monitored ensuring stable service.



### Guaranteed end to end

From transmission to service delivery, we manage everything ensuring a high quality of service.



### AES-256 Encryption

All of our wavelength products support AES-256 designed according to FIPS 140-2.



### High Capacity

From 1.25Gbps to 50Gbps we can support your ever changing capacity needs.



### Smart investment

Start with 1.25Gbps and scale as your business grows, be ready for what ever tomorrow brings!



### Australia to beyond

Network reach across Australia, Singapore and more international POP's coming soon!

# Product Specifications

	SDH	Fibre Channel	OTN	Ethernet
Interface Type	Interface Type	Fibre Channel	OTN	Ethernet
Service Speeds	<ul style="list-style-type: none"> <li>Per Customer Requirement</li> </ul>	<ul style="list-style-type: none"> <li>Per Customer Requirement</li> </ul>	<ul style="list-style-type: none"> <li>OTU-2</li> <li>OTU-2e</li> </ul>	<ul style="list-style-type: none"> <li>1Gb/s</li> <li>10Gb/2</li> <li>100GB/2</li> </ul>
Interface Type <sup>2</sup>	<ul style="list-style-type: none"> <li>Per Customer Requirement</li> </ul>	<ul style="list-style-type: none"> <li>Per Customer Requirement</li> </ul>	OTU2/2e: <ul style="list-style-type: none"> <li>10GBASE-LR (10KM)</li> </ul>	1Gb/s: <ul style="list-style-type: none"> <li>1000BASE-LX (10KM)</li> </ul> 10Gb/s: <ul style="list-style-type: none"> <li>10GBASE-LR (10KM)</li> <li>10GBASE-ER (40KM)</li> </ul> 25, 40 & 50Gb/s: <ul style="list-style-type: none"> <li>100GBASE-LR4 (10KM)</li> </ul>
Oversubscription	None. Wavelength service provides dedicated capacity along route.	None. Wavelength service provides dedicated capacity along route.	None. Wavelength service provides dedicated capacity along route.	None. Wavelength service provides dedicated capacity along route.
Frame Loss Target	Zero	Zero	Zero	Zero
Maximum Transmission Unit	Not Applicable	2148 bytes (SOF to EOF inclusive)	Not Applicable	9600 bytes
VLAN Transmission Unit	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Fibre Type	Single Mode Fibre	Single Mode Fibre	Single Mode Fibre	Single Mode Fibre
Protection Options <sup>3</sup>	Core Protection & Diverse service protection	Core Protection & Diverse service protection	Core Protection & Diverse service protection	Core Protection & Diverse service protection
Availability Target SLA <sup>4</sup>	99.99% Refer to the SLA for full details	99.99% Refer to the SLA for full details	99.99% Refer to the SLA for full details	99.99% Refer to the SLA for full details