

Wavelink

OPTUS *yes*

**DATA TRANSMISSION
MADE SIMPLE**

GROW YOUR NETWORK TO MATCH YOUR CUSTOMERS TRAFFIC NEEDS

OVERVIEW

Business is always changing. And over the last few years, web-based applications like cloud and other storage and data-driven applications have made our jobs easier. But chances are, if your business is growing, the amount of data you need to use through your business is growing too.

A service provider dealing in data transmission needs an efficient network. That's where Optus Wholesale Wavelink comes in.

How does it do?

Optus Wavelink offers a range of service speeds and interface options to help network providers build effective data network for your customers. With Wavelink you can build and upscale the backhaul connectivity between your PoP sites, data centres and NBN POIs, extending your network to where you need to be.

How does it work?

Our service is delivered over our extensive Optus national DWDM network. With DWDM's reliability and high-speed capabilities, we provide up to 10Gbps point-to-point transmission links as a standard service.

In more detail, the service uses individual lambdas (or "colours") to allow for an end-to-end data transmission service at the network layer. This means there's no need for multiplexing and demultiplexing equipment – which you'd normally need in a traditional SDH network. In a nutshell, Optus Wavelink makes for a much more efficient network than a SDH network.

FEATURES

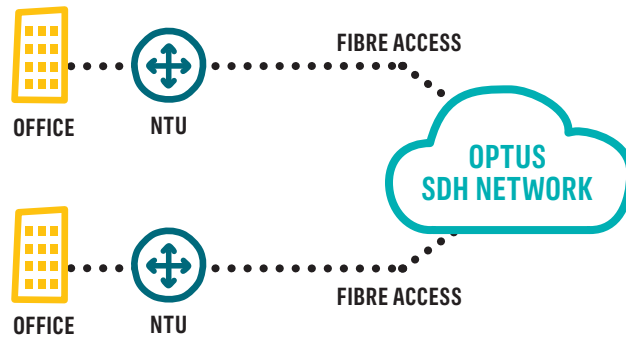
Optus Wavelink is a dedicated, end-to-end, managed transmission service offering:

- Multi-protocol support: including GE, 10GE-LAN/WAN, 1G FC, 2G FC, STM16 and STM64.
- Power Supply - 48v DC by default, with AC option.
- Network Protection Options Single Path - Non-Interface Protected (SP-NIP) or Protected Path - Non-Interface Protected (PP-NIP). Provision of diversity or redundancy for network units depends on the service options selected by your customer.

- Full Duplex - Dedicated Throughput Optus Wavelink is a full duplex service that delivers the same speed in both directions simultaneously.
- Highly reliable backbone network - The Service is delivered across the national Optus Optical Transport Network to provide a resilient platform for data communications.
- Contracted Service Levels - Optus provides contracted service levels (backed by rebates) so you can be confident of superior service quality.
- Service and Support - The Optus network is monitored 24 hours a day, 7 days per week to help prevent problems and ensure optimal service availability for you.

Table 1.0

INSERT HEADING	INSERT HEADING
SERVICE PROTOCOL SUPPORT	Gigabit Ethernet GE, 10 GE LAN/10 GE WAN, 1 G Fibre Channel (FC) (1.065Gbps), 2G Fibre Channel (FC) (2.125Gbps), SDH STM16, SDH STM64
LINE SIDE WAVELENGTH SUPPORT	CWDM, DWDM, 2.4G wavelength, 10G wavelength
CLIENT SIDE INTERFACES	1000BaseSX, 1000BaseLX, 1000BaseZX, 10GBaseZR, 10GBaseLR, S-16.1 (for STM16), I-64.1 (for STM64), 1.065 GHz fibre channel, 2.125 GHz fibre channel
PROTECTION OPTIONS SUPPORT	Optus Wavelink supports the following Protection Options: • Line side protection switching on the same shelf with <50ms failover switching for the Path Protection option (PP-NIP) • Equipment redundancy
POWER SUPPLY AND POWER SUPPLY REDUNDANCY	Optus WaveLink supports the following power supply and power supply redundancy of CPE Equipment: • -48v DC power supply only (AC power on special order) • Dual DC power units in standard configuration • Onsite AC power requires conversion to DC externally. This is subject to Optus approval and may incur additional charges



BENEFITS

We're not just about a fast, reliable service. Optus Wavelink can help simplify network management, lower implementation risk and even potentially reduce ongoing support costs.

So what makes Optus Wavelink a great choice?

- Our high bandwidth, high performance, high quality and highly reliable transport service based on Wave Division Multiplexing technology.
- Extremely stable backbone network capacity.
- Flexible, end-to-end, dedicated bandwidth for SPs and their customers.
- Dedicated bandwidth across point-to-point configurations⁹.
- Clear channel capability supporting real-time applications.

SERVICE BENEFITS

Why choose Optus Wholesale?

Ethernet interface option

The underlying Layer 2 network is fully managed by Optus, so you are able to focus on the value-added services for your customers.

Expand your footprint

Using the Optus network helps you expand your footprint and can enable your customers to retain and manage their own network routing and Layer 3 services.

National coverage

Connect to a high availability, national network with presence in most capital cities and major regional centres.

Billing clarity

Comprehensive, yet easy-to-understand site-by-site billing information provides transparency and simplifies internal accounting and admin.

SUPPORT

Is Optus Wavelink ideal for you?

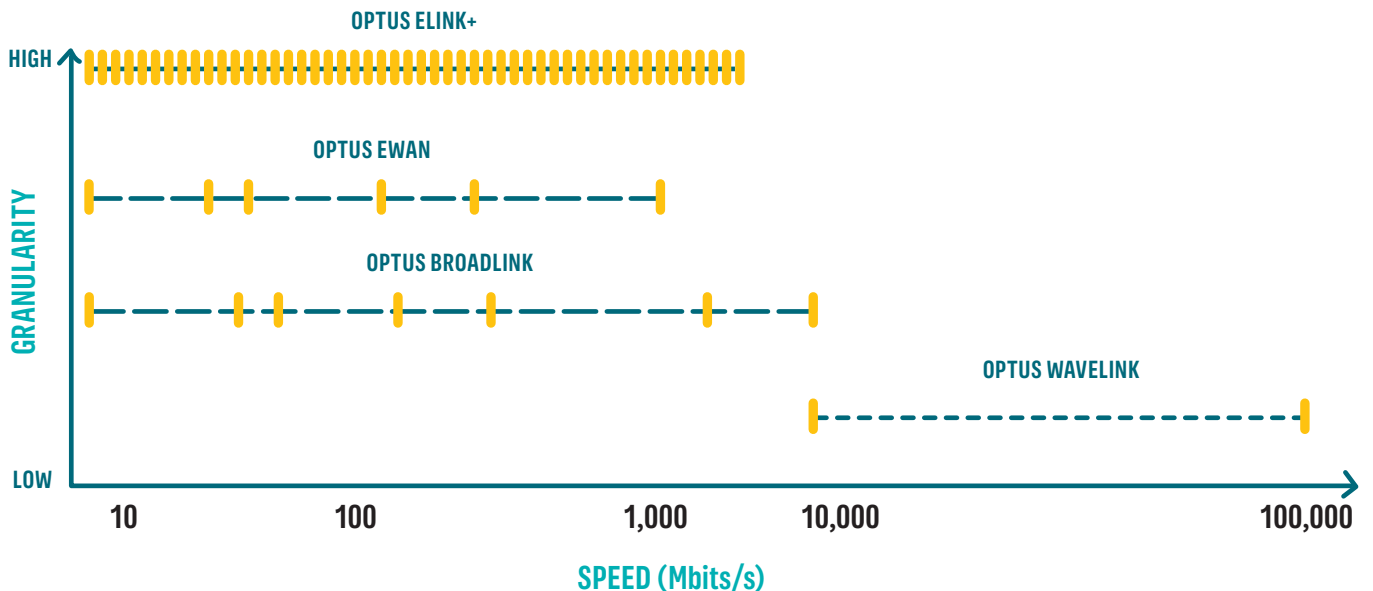
Optus WaveLink delivers high bandwidth transmission capabilities designed for:

- Backbone data networks.
- High-speed data (LAN-to-LAN interconnect).
- Transport of converged services delivering voice, video and data.
- Hosting/mainframe/disaster recovery transmission links.
- Centralised data centre interconnection.

Exceptional Partner

Backed by a Tier 1 carrier-network, you can assure your customers of a robust offering. Our business is to make sure we support your business, so you can go back to what you do best.

Relationship between optus Wavelink and other wholesale transmission services



WANT MORE INFO?

Optus Wholesale WaveLink is part of our Optus Expand range of access products offered by Optus Wholesale.

FOR ALL YOUR WHOLESALE NEEDS

If you require more information please chat to your Optus Wholesale Account Manager.

Email OWSWebMails@optus.com.au

THE NITTY GRITTY: Important information: *Actual bandwidth will depend on the service options selected by you or your customer. Provision of diversity or redundancy for network units will depend on the service options selected by your customer.

Copyright© 2015.

IMM00644_1415217