

New Zealand ODMSD-WAN device 800G



Overview

Vodafone New Zealand will deploy 800G between its data centres in Auckland using Ciena's WaveLogic 5 Extreme (WL5e) coherent optics. Vodafone is leveraging its existing Ciena 6500 shelves, doubling the data throughput for each hardware module deployed and reducing energy consumption. Several years ago, hyperscale network operators saw an opportunity for coherent Dense Wavelength Division Multiplexing (DWDM) transport optics to plug directly into routers for 400 Gbps Data Center Interconnections (DCIs) with reaches up to 120km. Because along with single-carrier 800Gb/s throughput for short reach distances, users can scale their entire optical infrastructure, achieving record-breaking capacity per wavelength for all network paths: 600Gb/s across 1,000km links, 400Gb/s. Vodafone New Zealand is advancing its network by being the first provider in New Zealand to deploy 800G technology, enabling extremely high data capacity, transmission and speeds.



Article Content

800G OpenZR+

The advancements in 800G standardization efforts by OIF and the Open ROADM MSA group have laid a robust foundation for the development and deployment of high-capacity, coherent ...

Vodafone New Zealand Rolls Out 800G Technology with Ciena

AUCKLAND, New Zealand & HANOVER, Md.- (BUSINESS WIRE)- Vodafone New Zealand is advancing its network by being the first provider in New Zealand to deploy 800G technology, ...

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800G Coherent - OIF

In scope for the 800G Coherent project is to define interoperable 800G coherent line specifications for campus and DCI applications. The resulting Implementation Agreement (IA) will:

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800G is here: pushing the boundaries of what your network can do

It is the industry's first commercial 7nm CMOS device for optical networks. Based on 7nm FinFET technology, it includes 3km of wiring and contains 800 Trillion operations per second, which ...

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"Ciena's innovative 800G coherent optics enable Vodafone New Zealand to execute on our vision to provide New Zealanders with access to the world's best digital services.

Demystifying 800G Transceiver: Types, Applications, and FAQs

This article will provide an overview of the various types of 800G transceivers, discuss their applications, and address some FAQs to help make a better choice when selecting 800G ...

Infinite Capacity Engine - Extensible (ICE-X) 800G ZR/ZR

Integrated system-level features: ICE-X 800G pluggable DCOs support optional MACSec and L1 (FlexOsec), streaming telemetry, and numerous troubleshooting and diagnostic tools, including ...

Contact Us

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