18CH CWDM Mux Demux Typical Optical Transport Network Solution

Background

CWDM is an attractive solution for carriers who need to upgrade their networks to accommodate current or future traffic needs while minimizing the use of valuable fiber strands. The escalated demands for bandwidth and capacity are driving networks to look for agile, cost-effective data optical transport solutions.

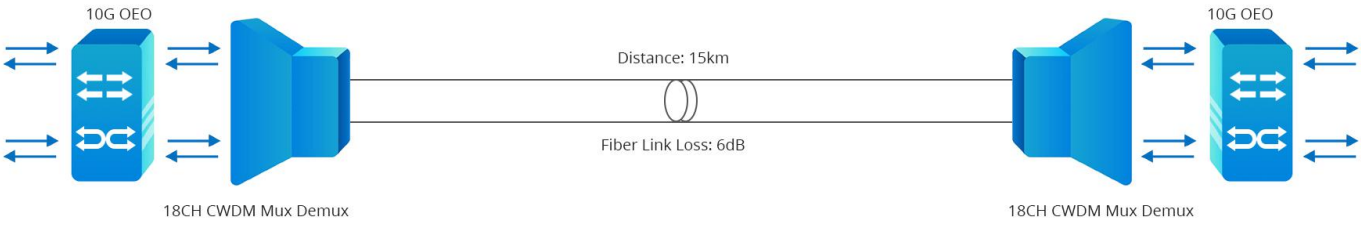
Challenge

- How to design the most appropriate solution within a limited budget?
- How to reduce optical loss and ensure enough margin over the whole link?

Customer Requirements

- Networking Modes: Point-to point
- Transmission Distance: 15km
- Transmission Capacity: 18x 10G
- Fiber Link Loss: 6dB (0.4dB/km)
- Fiber Type: G.652D

Solution



Product List

ID	Description	Qty
33489	18 Channels 1270-1610nm, with Monitor Port, LC/UPC, Dual Fiber CWDM Mux Demux, FMU 1U Rack Mount	2
107365	M6200-OEO10G, 5 Channels WDM Transponder (Converter), 10 SFP/SFP+ Slots	10
107371	M6200-CH2U, 2U Managed Chassis Unloaded Platform, Supports 7x Mux/DEMUX/EDFA/OEO/OLP/DCM Cards	2
22168	10G CWDM SFP+ 1270nm-1610nm 40km DOM Transceiver Module	36
50000	10GBASE-SR SFP+ 850nm 300m DOM Transceiver Module	72

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