

10G WDM Converter (Transponder) Typical Optical Transport Network Solution



Background

The escalated demands for bandwidth and capacity are driving networks to look for agile and cost-effective data optical transport solutions, which require to upgrade an infrastructure and create a WDM network that supports 10G multi protocol architecture.

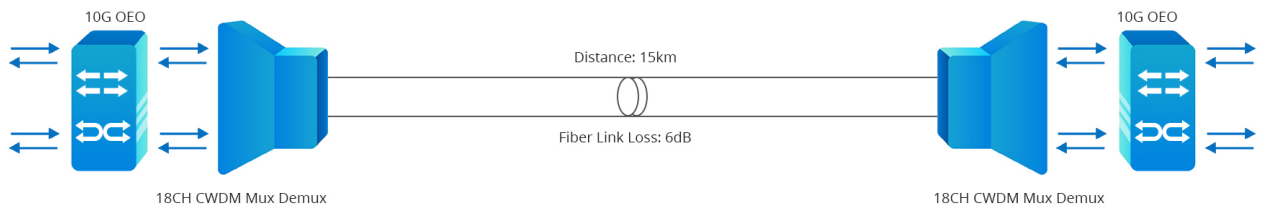
Challenge

- How to transfer multimode to singlemode fiber to achieve a relatively longer data transmission
- The switch does not directly support transceivers for WDM system

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
70413	2U Managed Chassis Unloaded	2
50000	10GBASE-SR SFP+ 850nm 300m DOM Transceiver Module	72
22168	10G CWDM SFP+ 1270nm-1610nm 40km DOM Transceiver Module	36
33489	18 Channels 1270-1610nm, with Monitor Port, LC/UPC, Dual Fiber CWDM Mux Demux, FMU 1U Rack Mount	2
30515	4 Channels Multi-Rate WDM Converter (Transponder), 8 SFP/SFP+ Slots, Up to 11.3G Rate, Pluggable Module for FMT Multi-Service Transport Platform	10



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