16CH DWDM Mux Demux Typical Optical Transport Network Solution

Background

With the demands for high bandwidth capacity and low cost, OTN network is required by academic and research institutes to interconnect a variety of buildings, especially when with a long-distance range.

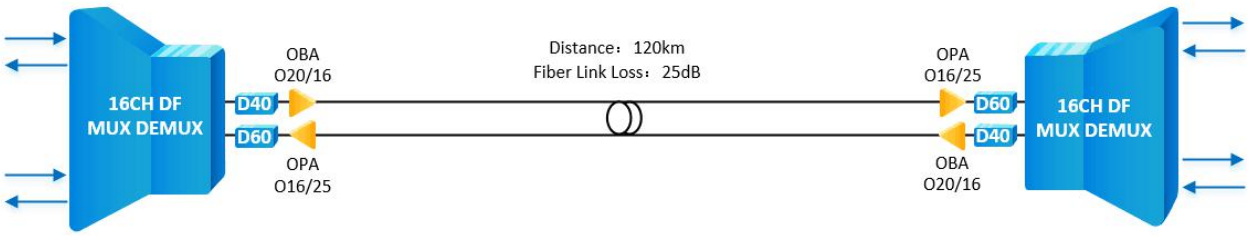
Challenge

- The distance between campus and office is 120km out of the range 10G DWDM SFP+ transceivers can support.
- Optical signal loss occurs inevitably during transmission in such long-haul distance.

Customer Requirements

- Networking Modes: Point-to point
- Transmission Distance: 120km
- Transmission Capacity: 16x 10G
- Fiber Link Loss: 25dB (0.25dB/km)
- Fiber Type: G.652D

Solution



Product List

ID	Description	Qty
72430	16 Channels C21 -C36, with Monitor, Expansion and 1310nm Port, LC/UPC, Dual Fiber DWDM Mux Demux, FMU 1U Rack Mount	2
111052	M6200-CH5U, 5U Managed Chassis Unloaded Platform, Supports 15x MUX/DEMUX/EDFA/OEO/OLP/DCM Cards	2
109705	M6200-D2160M, 40 Channels C21-C60 Dual Fiber DWDM Mux and Demux with Monitor Port, Pluggable Module, LC/UPC	4
107366	M6200-20BA, 20dBm Output DWDM EDFA Booster Amplifer, 16dB Gain	2
107367	M6200-25PA, 25dB Gain DWDM EDFA Pre-Amplifier, 16dBm Output	2
107370	M6200-DCM40, 40KM DCF-based Passive Dispersion Compensation Module	2
69611	Customized 10G DWDM SFP+ C17-C61 100GHz 80km DOM Transceiver Module Wavelengths:C21-C60	80

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