

100G Muxponder Typical Optical Transport Network Solution



Background

Driven by the escalating bandwidth requirements of Internet video, enterprise cloud, and data center interconnect, service providers worldwide have been migrating from 10G to 100G and beyond. Already begun in long haul networks, this migration is now proliferating in metro networks.

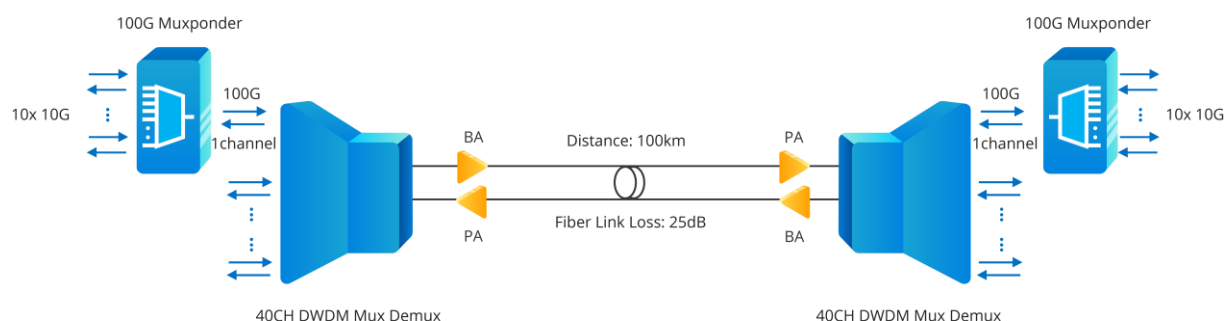
Challenge

- The 100G capacity of a single wavelength is out of the range that the common 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: 100km
- Transmission Capacity: 1x 100G, 39x 10G
- Fiber Link Loss: 25dB (0.25dB/km)
- Fiber Type: G.652D

Solution



Product List

ID	Description	Qty
96376	10x 10G SFP+ to 100G CFP 100G Multirate Muxponder with 100G Coherent CFP Transceiver	2
96454	M6500 Managed Chassis Unloaded, Supports up to 2x 100G Transponder/Muxponder	2
35887	40 Channels C21-C60, with 1310nm Port and Monitor Port, LC/UPC, Dual Fiber DWDM Mux Demux, FMU 1U Rack Mount	2
39214	1U Managed Chassis Unloaded, Supports up to 4x EDFA/OEO/OLP Module with Accessories	2
72283	17dBm Output Booster DWDM EDFA C-band 17dB Gain, LC/UPC, Pluggable Module for FMT Multi-Service Transport Platform	2
72284	20dB Gain Pre-Amplifier DWDM EDFA C-band 13dBm Output, LC/UPC, Pluggable Module for FMT Multi-Service Transport Platform	2
65271	Customized Variable Optical Attenuator, 0~15dB, LC/UPC, Pluggable Module for FMT Multi-Service Transport Platform	2
69611	Customized 10G DWDM SFP+ C60 100GHz 80km DOM Transceiver Module	78
50000	Customized 10GBASE-SR SFP+ 850nm 300m DOM Transceiver Module	20

NOTE: 1.The compatibility of transceivers depend on the switch brand;

2. The 100G muxponder and FMT series modules (DWDM EDFA) are separately managed by M6500 chassis and FMT chassis with different management systems.



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