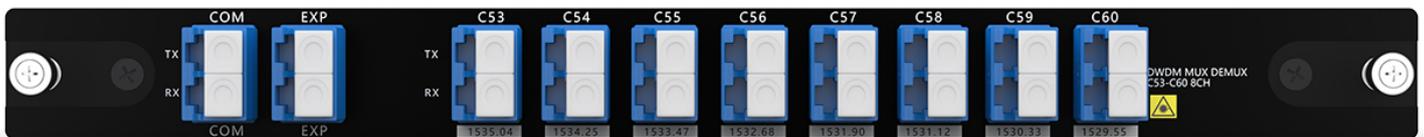# Dual Fiber 8CH C53-C60 DWDM MUX DEMUX, EXP Port, LC/UPC, LGX Box, and 4 Slots 1U Rack

The 8ch DWDM MUX DEMUX is designed by FIBERWDM, wavelength from C53 to C60(1535.04nm~1529.55nm),(By the way, we can support customize other waves); in accordance with the ITU-T G.694.1 100GHZ grid, it maximizes the capacity of the C-band range.

The 8ch DWDM MUX DEMUX is totally passive and LGX box module device, it can plug in the 4-slot 1U rack; the product insertion loss is:(wavelength ports＜2.4dB; Line loss＜3.2dB). And it conjunct with The DWDM amplifiers and DCM device, the 8ch DWDM transfer system can support a long distance transmission.
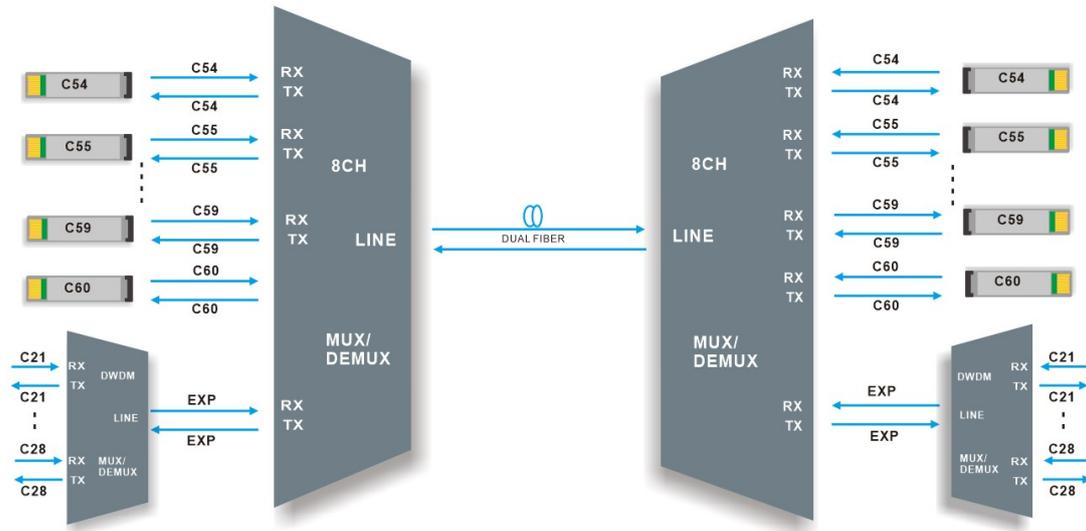
Product Panel

8CH DWDM MUX DEMUX Dual Fiber

Expansion Port for Future Bandwidth Increasing, makes it possible to increase the network capacity by connecting it to the line port of another DWDM MUX/DEMUX supporting different wavelengths, without the need of installing or leasing additional fibers.
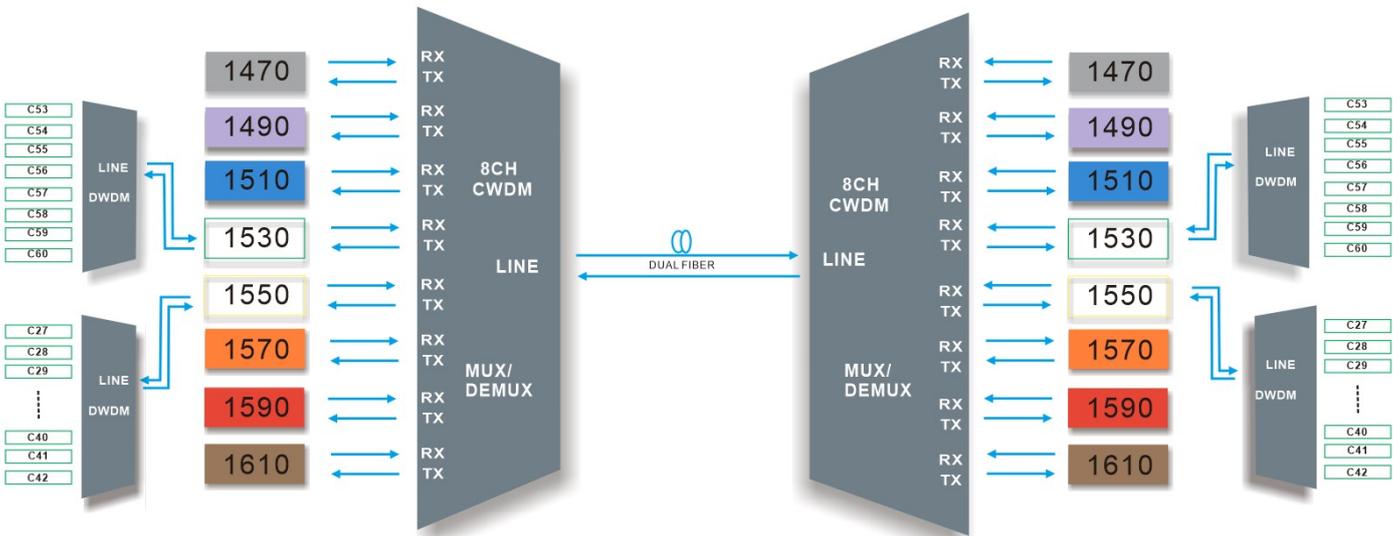
Line Link

8CH DWDM MUX DEMUX Dual fiber transmission

8 Channels DWDM MUX DEMUX, supports 8 channels difference business in two optical fiber for point-to-point transmission.

It works in Broadcast and TV, IDC, finance, government, cloud, massive data and other industries.
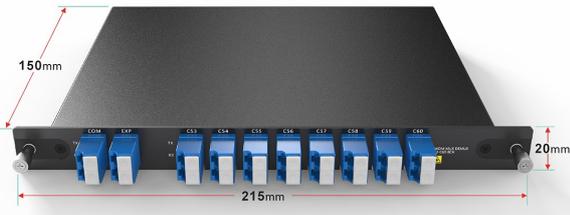
Hybrid DWDM over CWDM Network

CWDM wavelengths range from 1260-1625nm, channel spacing is 20nm, which actually cover all the range of DWDM wavelengths (1470-1625nm). And DWDM wavelengths have much smaller channel spaces (0.8nm). Therefore, the CWDM wavelengths near DWDM wavelengths can be used to transmit the DWDM wavelengths.

Product Specification

Wavelength	8channels C53-C60（or other waves)	Channel Spacing	100GHz (0.8nm)
Channel Passband	±0.11nm	Technology	TFF (Thin Film Filter)
Insertion Loss	≤ 2.4dB	Link Loss	≤ 3.2dB
Insertion Loss @ 1310 port	≤ 0.8dB	Insertion Loss @ 1% Mon	≤ 26dB
Return Loss	≥ 45dB	Directivity	≥ 45dB
Polarization Mode Dispersion	≤ 0.1ps	Polarization Dependent Loss	≤ 0.3dB
Channel Isolation	Adjacent ≥30dB Non-adjacent ≥ 45dB	Temperature	Operating -40 to 85°C Storage -40 to 85°C
Net Weight	LGX Box: 0.5KG 2slot 1U Rack: 1.5KG	Dimensions	LGX Box: 215*150*20mm 1U Rack : 440*160*44mm

Note: Specified with connectors.

Package Information

LGX BOX Plug in 4-Slot 1U Rack

4-Slot 1U Rack for LGX BOX

Order Information

Product No.	Product description
DMD8-1U01-C5360	DWDM MUX DEMUX 8CH (C53-C60) With EXP Dual fiber, LC/UPC , Plug-in LGX Box
DMD8-1U01-Cxxxx	DWDM MUX DEMUX 8CH (Cxx-Cxx) With EXP , Dual fiber, LC/UPC , Plug-in LGX Box (Customized)
1U02-4LGX	19" inch 1U rack with 4 slot for Plug-in LGX box, 440*160*44mm

Note: We Support Customized Design, please contact us by email.