

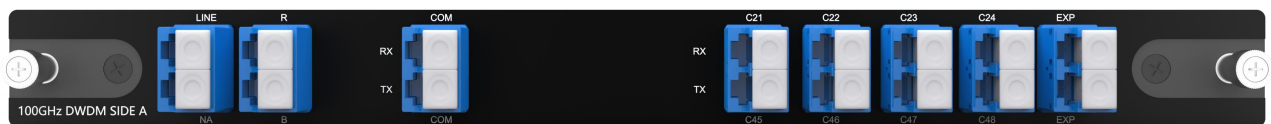
## Single Fiber 4CH 8 Waves DWDM MUX/ DEMUX, With EXP Port, and R/B Filter LC/UPC, LGX Box, and 4 Slots 1U Rack



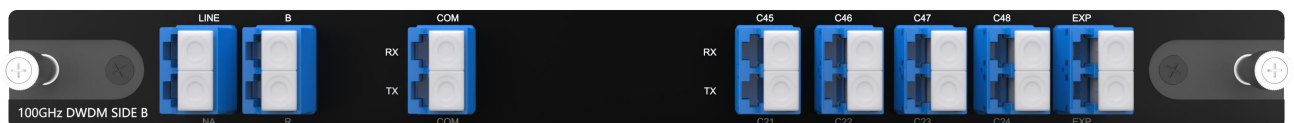
The 4ch(8waves) DWDM MUX/ DEMUX with Blue and Red (R/B) filter, is used in pairs, designed by FIBERWDM, in side A, the waves are: RX C21 to C24, TX C45 to C48; And in side B, the waves are: RX C45 to C48, TX C21 to C24. it conjunct with the DWDM amplifiers and DCM device, the 4ch DWDM transfer system can support a long distance transmission in one fiber.

And it is LGX box Plug-in designed, so it can plug in the 4-Slot 1U rack, Max capacity support 4\*4channels in the system.

### Product Panel



**4CH DWDM MUX/ DEMUX Single Fiber Side A**



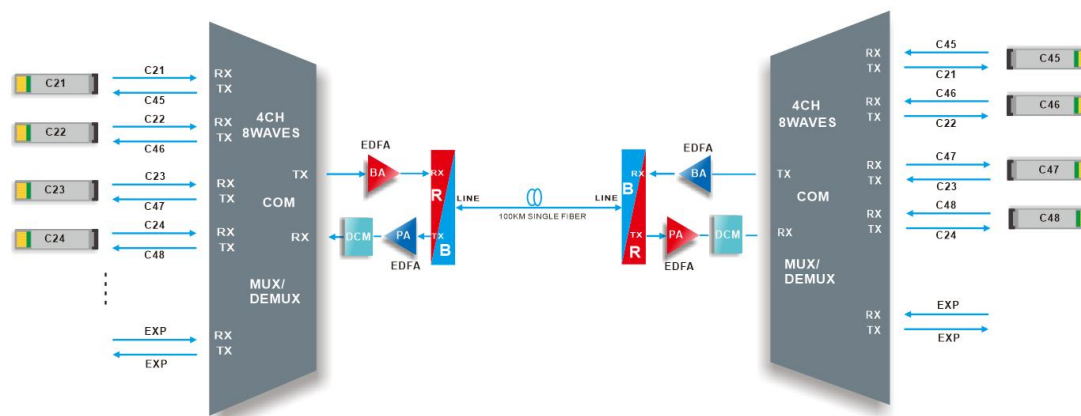
**4CH DWDM MUX/ DEMUX Single Fiber Side B**



**4-Slot 1U rack**

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



**4CH DWDM MUX/ DEMUX Single fiber transmission**

4 Channels DWDM MUX/ DEMUX supports 4 channels difference business in one optical fiber for point-to-point transmission.

It works in Broadcast and TV, IDC, finance, government, cloud, massive data and other industries.

## Product Specification

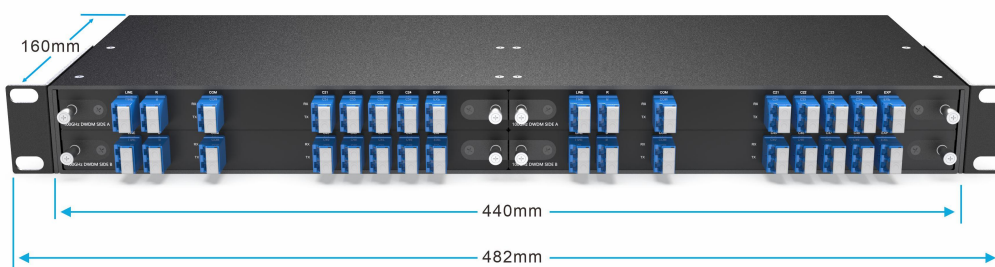
<b>Wavelength</b>	4ch 8 waves C21-C24/C45-C48	<b>Channel Spacing</b>	100GHz (0.8nm)
<b>Channel Passband</b>	±0.11nm	<b>Technology</b>	TFF (Thin Film Filter)
<b>Insertion Loss</b>	≤ 2.4dB	<b>Link Loss</b>	≤ 3.5dB
<b>Return Loss</b>	≥ 45dB	<b>Directivity</b>	≥ 45dB
<b>Polarization Mode Dispersion</b>	≤ 0.1ps	<b>Polarization Dependent Loss</b>	≤ 0.3dB
<b>Channel Isolation</b>	Adjacent ≥30dB Non-adjacent ≥ 45dB	<b>Temperature</b>	Operating -40 to 85°C Storage -40 to 85°C
<b>Insertion Loss@R/B</b>	PASS:≤ 0.6dB Reflect:≤0.8dB	<b>Isolation@R/B</b>	PASS:≥ 30dB Reflect:≥15dB
<b>Net Weight</b>	LGX Box: 0.5KG 4slot 1U Rack: 1.5KG	<b>Dimensions (HxWxD)</b>	LGX Box: 20*215*150mm 1U Rack : 44*440*230mm

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
DM4-LGX01-C2148-RB-A	DWDM MUX//DEMUX 4CH 8Waves (RX C21-C24/TX C45-C48) With EXP Port and RB filter, Single fiber, LC/UPC , Plug-in LGX Box 20*215*150mm, Side A
DD4-LGX01-C2148-RB-B	DWDM MUX/ DEMUX 4CH 8Waves (RX C45-C48/TX C21-C24) With EXP Port and RB filter, Single fiber, LC/UPC , Plug-in LGX Box 20*215*150mm, Side B
1U-4LGX02	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.**