

# 100G 40CH DWDM MUX DEMUX

100G 40CH DWDM AAWG MUX DEMUX, LC/UPC, 1U Rack

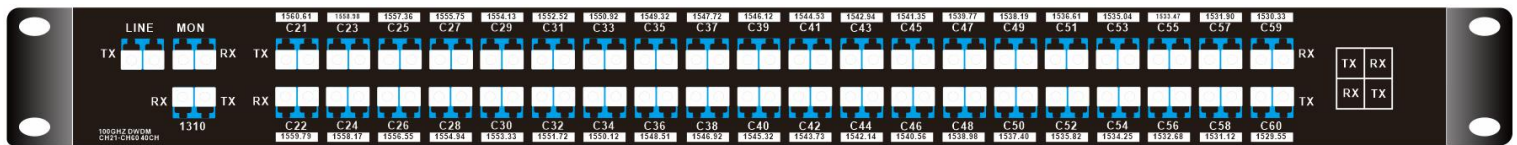


## Description

The 40ch DWDM MUX DEMUX is designed by Fiber Mall, wavelength from C21 to C60(1560.61nm~1529.55nm), in accordance with the ITU-T G.694.1 100GHZ grid, it maximizes the capacity of the C-band range.

The 40ch DWDM with 1310nm port is totally passive DWDM device, and support low insertion loss( wavelength ports<3.5dB; 1310nm port<0.8dB). And it conjunct with The DWDM amplifiers and DCM device, the 40ch DWDM transfer system can support a long distance transmission.

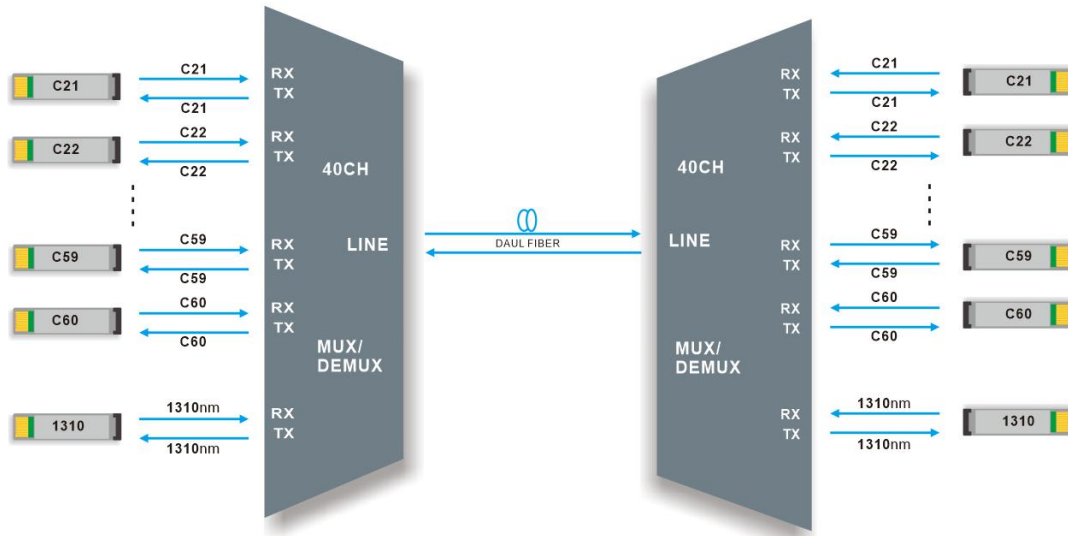
## Product Panel



**40CH DWDM MUX DEMUX**

- ❖ 1310nm port can support 1G LX/SX, 10G LR, 40G ER4/LR4, 100G LR/ER4/LR4/ZR4; it for Existing Legacy Traffic.
- ❖ Mon port is for network link monitoring or power monitoring, easy troubleshooting without affecting traffic.

## Line Link



**40CH DWDM MUX DEMUX Dual fiber transmission**

40 Channels DWDM MUX DEMUX and with 1310nm Port, supports 40 channels difference business in two optical fiber for point-to-point transmission.

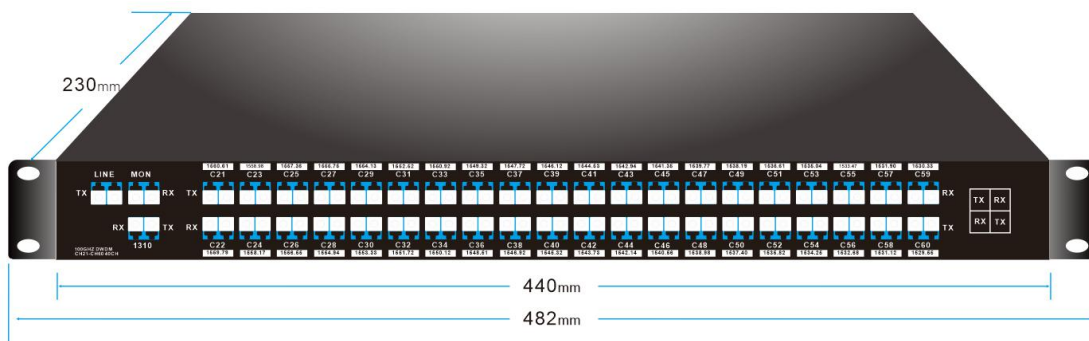
It works in Broadcast and TV, IDC, finance, government, cloud, massive data and other industries.

## Product Specification

<b>Wavelength</b>	40channels C21-C60	<b>Channel Spacing</b>	100GHz (0.8nm)
<b>Channel Passband</b>	±0.11nm	<b>Technology</b>	AAWG (Gaussian)
<b>Insertion Loss</b>	≤ 3.5dB	<b>Link Loss</b>	≤ 7dB
<b>1310nm Port Pass Band Width</b>	1260nm~1360nm	<b>Center Wavelength Accuracy</b>	±0.05nm
<b>Insertion Loss @ 1310 port</b>	≤ 0.8dB	<b>Insertion Loss @ 1% Mon</b>	≤ 26dB
<b>Return Loss</b>	≥ 40dB	<b>Directivity</b>	≥ 40dB
<b>Polarization Mode Dispersion</b>	≤ 0.1ps	<b>Polarization Dependent Loss</b>	≤ 0.3dB
<b>Channel Isolation</b>	Adjacent ≥ 25dB Non-adjacent ≥ 29dB	<b>Temperature</b>	Operating -5 to 65°C Storage -40 to 85°C
<b>Net Weight</b>	1.5KG	<b>Dimensions (HxWxD)</b>	44*440*230mm

Note: Specified with connectors.

## Package Information



## Ordering Information

Part Number	Product Description
FM-DWMD40-C2160LI	DWDM MUX DEMUX 40CH (C21-C60) Without 1310nm and Monitor Port, Dual fiber, LC/UPC , 1U Rack
FM-DWMD40-C2160LI-31M	DWDM MUX DEMUX 40CH (C21-C60) With 1310nm and Monitor Port, Dual fiber, LC/UPC , 1U Rack

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