GLOBALfiber 40ch DWDM Mux+Demux, 19” 1RU

C21-C60, 100GHz+1310nm+Mon port, LC

Brief Introduction

The 40ch DWDM MUX DEMUX is designed by **GLOBALfiber**, wavelength from C21 to C60 (1560.61nm~1529.55nnm), 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

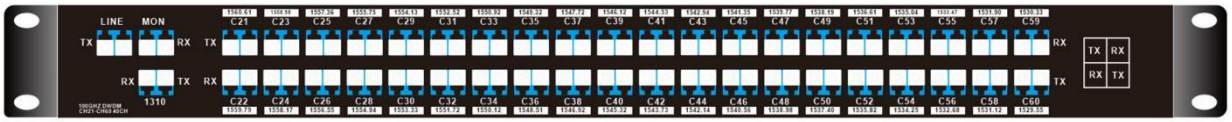

Figure 1 40CH DWDM MUX DEMUX

- 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

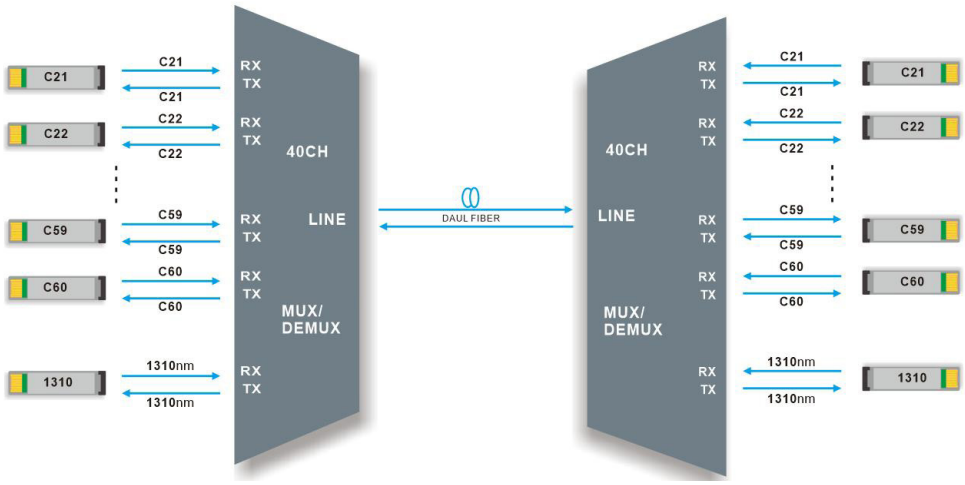

Figure 2 40CH DWDM MUX DEMUX Dual fiber transmission

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

Wavelength	40channels C21-C60	**Channel Spacing**	100GHz (0.8nm)
Channel Passband	±0.11nm	**Technology**	AAWG (Gaussian)
Insertion Loss	≤ 3.5dB	**Link Loss**	≤ 7dB
1310nm Port Pass Band Width	1260nm~1360nm	**Center Wavelength Accuracy**	±0.05nm
Insertion Loss @ 1310 port	≤ 0.8dB	**Insertion Loss @ 1% Mon**	≤ 26dB
Return Loss	≥ 40dB	**Directivity**	≥ 40dB
Polarization Mode Dispersion	≤ 0.1ps	**Polarization Dependent Loss**	≤ 0.5dB
Channel Isolation	Adjacent ≥ 25dB Non-adjacent ≥ 29dB	**Temperature**	Operating -5 to 65°C Storage -40 to 85°C
Net Weight	3.5KG	**Dimensions (HxWxD)**	44*440*230mm

Note: Specified with connectors.

Package Information

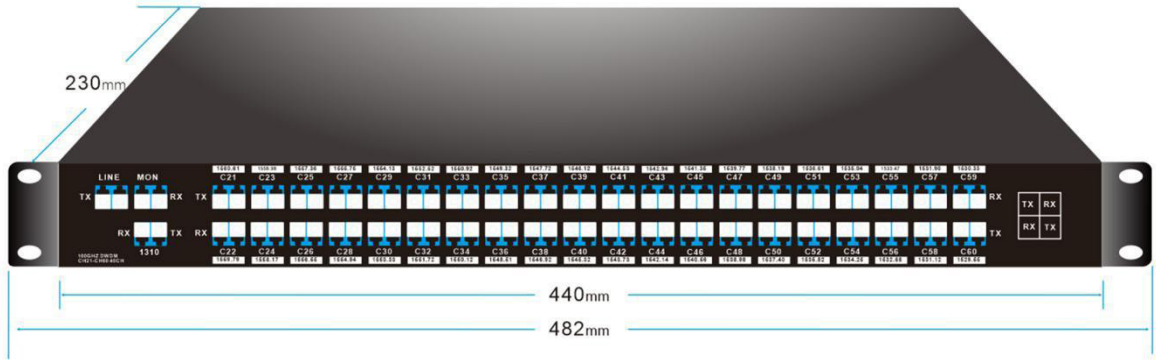

Figure 3 19” Inch 1U Rack

Order Information

Part number	Product description
G-DMUX-40-2160-MLU	GLOBALfiber 40ch DWDM Mux+Demux, < 3,5dB, 21-60, 100GHz+1310nm+Mon, 19” 1RU LC/UPC