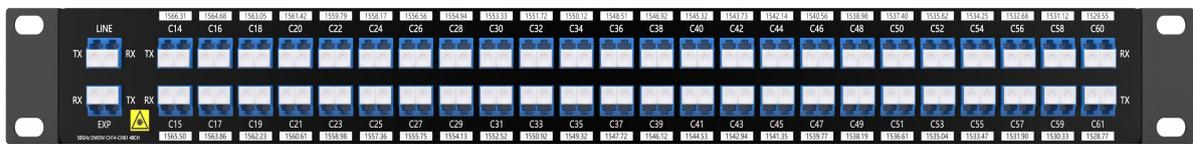## Dual Fiber 48CH C14-C61 50GHz DWDM MUX DEMUX, With EXP Port For Expanding H14-H61, LC/UPC, 1U Rack

The 40ch 50Ghz DWDM MUX DEMUX is designed by FIBERWDM, 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. And we also provide EXP port to expand H14~H61 in the future.

The 48ch DWDM is totally passive DWDM device, and support low insertion loss(wavelength ports ＜ 7.0dB). And it conjunct with The DWDM amplifiers and DCM device, the 40ch DWDM transfer system can support a long distance transmission.
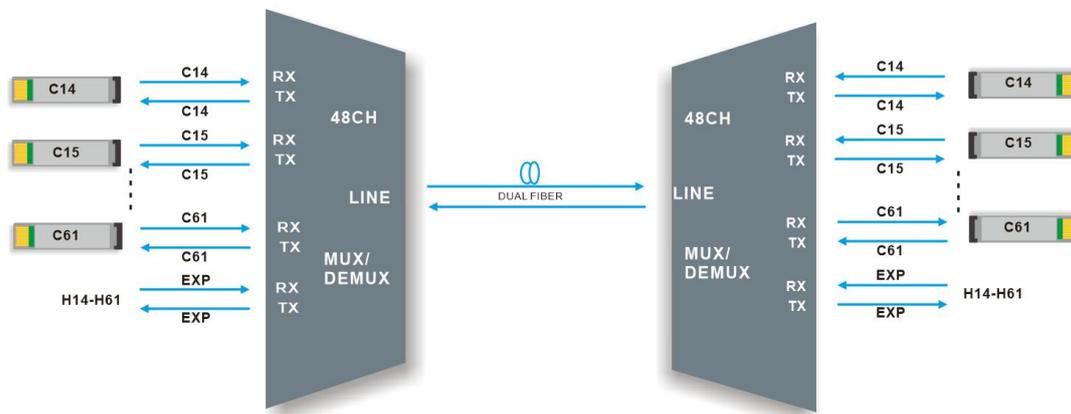
Product Panel

48CH DWDM MUX DEMUX

◆ EXP port can support Export 48ch, 50Ghz DWDM H14~H61 in the future.

Line Link

40CH DWDM MUX DEMUX Dual fiber transmission

48 Channels DWDM MUX DEMUX , supports 40 channels difference business in two optical fiber for point-to-point transmission.
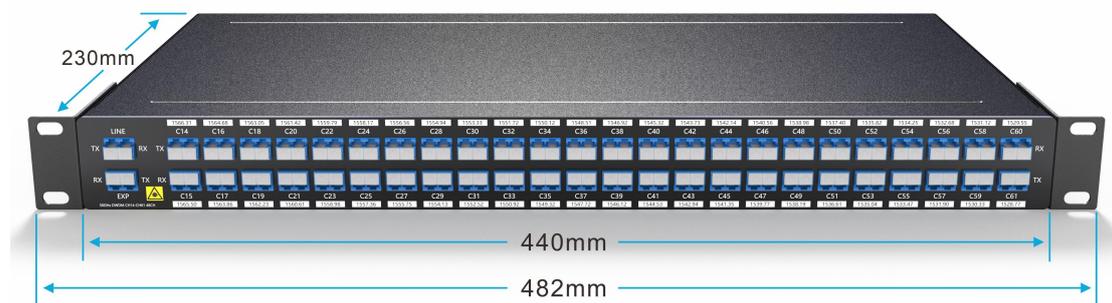
It works in Broadcast and TV, IDC, finance, government, cloud, massive data and other industries.

Product Specification

Wavelength	40channels C21-C60	Channel Spacing	50GHz (0.4nm)
Channel Passband	±0.11nm	Technology	AAWG (Flat-top)
Insertion Loss	≤ 7.0dB	Link Loss	≤ 14dB
Center Wavelength Accuracy	±0.12nm	1dB Bandwidth	≥ 0.3nm
3dB Bandwidth	≥ 0.5nm	20 dB bandwidth	≤ 1.3nm
Return Loss	≥ 40dB	Ripple	≤ 0.1dB
Insertion Loss Uniformity	≤ 1.5dB	Polarization Mode Dispersion	≤ 0.5ps
Polarization Dependent Loss	≤ 0.8dB	Total Crosstalk	≥ 19dB
Chromatic Dispersion	±0.19dB	Channel Isolation	Adjacent ≥ 22dB
Channel Isolation	Non-adjacent ≥ 27dB	Temperature	Operating -5 to 65°C Storage -40 to 85°C
Net Weight		Dimensions (HxWxD)	

Note: Specified with connectors.

Package Information

19" Inch 1U Rack

Order Information

Product No.	Product description
50G-DMD48-1U01-C1461	50GHz DWDM MUX DEMUX 48CH (C14-C61) With EXP Port for expand H14-H61 , Dual fiber, LC/UPC , 1U Rack

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