

150GHz 8CH DWDM MUX DEMUX C38-H48(1556.555nm-1548.115nm)

with Monitor Port, LC/UPC,LGX Box, and 4 Slots 1U Rack

The 150GHz 8ch DWDM MUX DEMUX is designed by FIBERWDM, wavelength from C38-H48(1546.917nm-1538.581nm), in accordance with the ITU 150GHZ grid, it maximizes the capacity of the C-band range.

The 150GHz 8ch DWDM is totally passive DWDM device, and support low insertion loss(wavelength ports<2.4dB), Support 800G x 8ch business in DWDM transfer system.

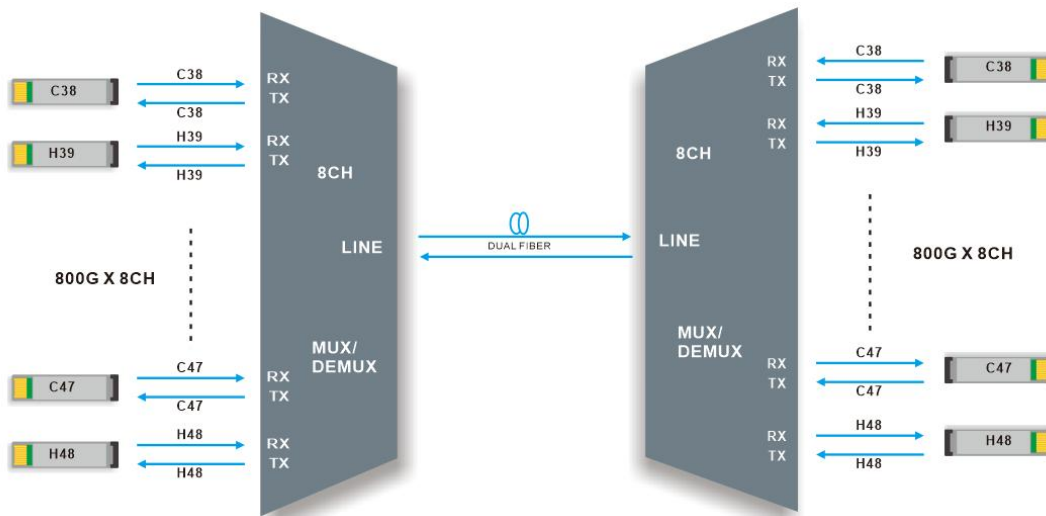
Product Panel



150GHz 8CH DWDM MUX DEMUX

Mon port is for network link monitoring or power monitoring, easy trouble shooting without affecting traffic

Line Link



8CH DWDM MUX DEMUX Dual fiber transmission

8 Channels DWDM MUX DEMUX, supports 8 channels 800G difference business in two optical fiber for point-to-point transmission. It works in IDC transfer system.

Product Specification

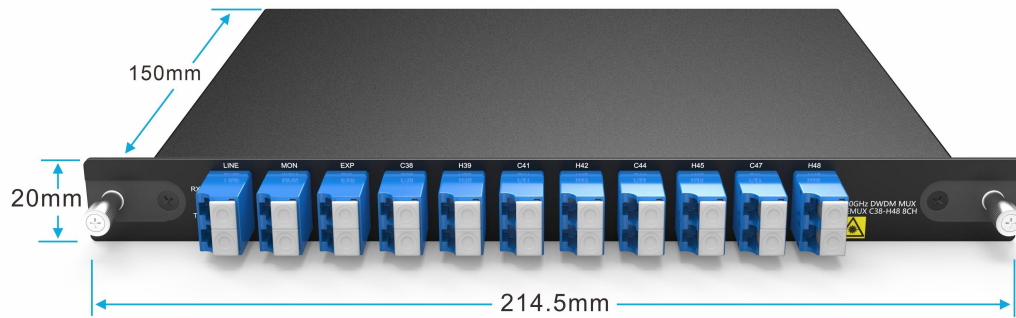
Wavelength	1546.917nm-1538.581nm	Channel Spacing	150GHz
Channel Passband	±0.5nm	Technology	TFF
Insertion Loss	≤2.4dB	Link Loss	≤3.5dB
Center Wavelength Accuracy	±0.05nm	Total Crosstalk	≥5dB
-0.5dB Bandwidth	≥90GHz	-3dB Bandwidth	≥150GHz
Return Loss	≥ 40dB	Directivity	≥ 40dB
Polarization Mode Dispersion	≤ 1.0ps	Polarization Dependent Loss	≤ 0.7dB
Channel Isolation @central frequency	Adjacent ≥ 30dB Non-adjacent ≥ 45dB	Temperature	Operating -40 to 85°C Storage -40 to 85°C
Net Weight	LGX Box: 0.5KG 4slot 1U Rack: 2.5KG	Dimensions	LGX Box: 214.5*150*20mm 1U Rack : 440*160*44mm

Note: Specified with connectors.

Channel Plan

Channel	ITU	Frequency	Wavelength	Channel	ITU	Frequency	Wavelength
No.	Channel	THz	nm	No.	Channel	THz	nm
1	C14	191.4000	1566.314	17	C38	193.8000	1546.917
2	H15	191.5500	1565.087	18	H39	193.9500	1545.720
3	C17	191.7000	1563.863	19	C41	194.1000	1544.526
4	H18	191.8500	1562.640	20	H42	194.2500	1543.333
5	C20	192.0000	1561.419	21	C44	194.4000	1542.142
6	H21	192.1500	1560.200	22	H45	194.5500	1540.953
7	C23	192.3000	1558.983	23	C47	194.7000	1539.766
8	H24	192.4500	1557.768	24	H48	194.8500	1538.581
9	C26	192.6000	1556.555	25	C50	195.0000	1537.397
10	H27	192.7500	1555.343	26	H51	195.1500	1536.216
11	C29	192.9000	1554.134	27	C53	195.3000	1535.036
12	H30	193.0500	1552.926	28	H54	195.4500	1533.858
13	C32	193.2000	1551.721	29	C56	195.6000	1532.681
14	H33	193.3500	1550.517	30	H57	195.7500	1531.507
15	C35	193.5000	1549.315	31	C59	195.9000	1530.334
16	H36	193.6500	1548.115	32	H60	196.0500	1529.163

Package Information



LGX BOX Plug in 4-Slot 1U Rack



4-Slot 1U Rack for LGX BOX

Order Information

Product No.	Product description
DMD8-LGX01-150GHZ-M-C36H46	150GHz 8CH DWDM MUX DEMUX C38-H48(1546.917nm-1538.581nm) with Monitor Port, LC/UPC Plug-in LGX Box 214.5*150*20mm
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.