

For DCI 64 x 400G Transfer system

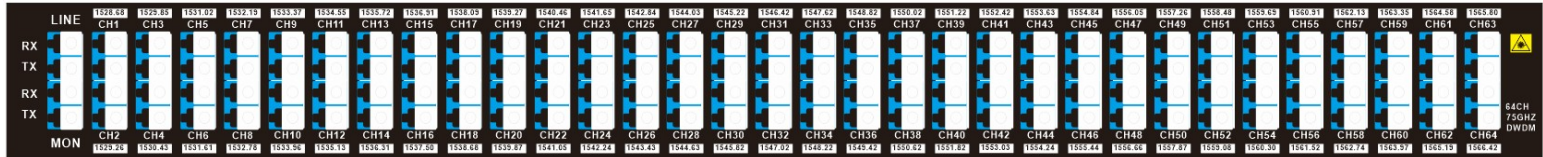
75GHz 64CH DWDM MUX DEMUX 1528.68nm-1566.42nm with Monitor

Port, LC/UPC 1U Rack

The 75GHz 64ch DWDM MUX DEMUX is designed by FIBERWDM, wavelength from 1528.68nm-1566.42nm, in accordance with the ITU-T G.694.1 100GHZ grid, it maximizes the capacity of the C-band range.

The 75GHz 64ch DWDM is totally passive DWDM device, and support low insertion loss(wavelength ports < 5.5dB), Support 400G x 64ch business in DWDM transfer system.

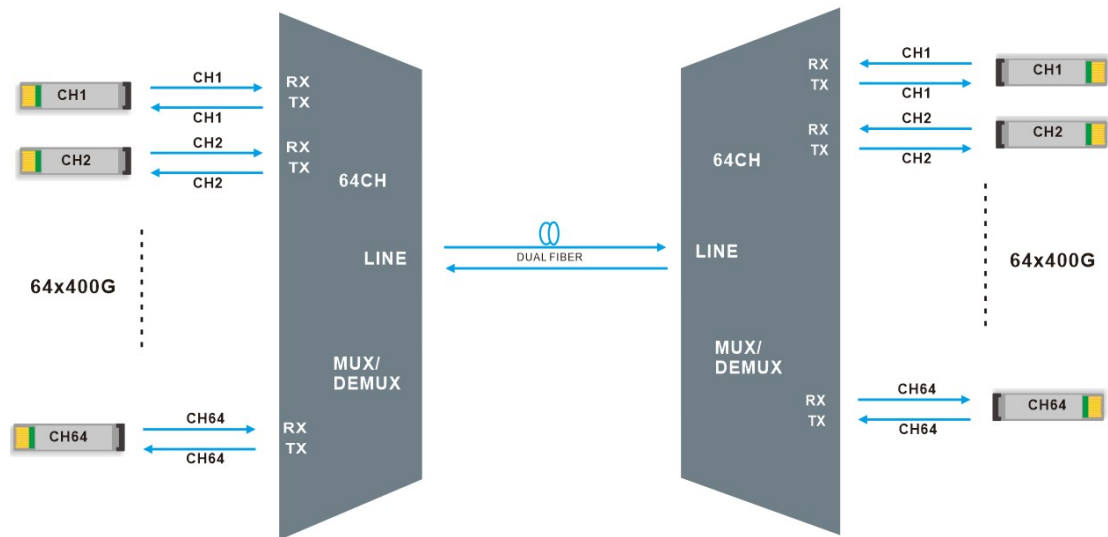
Product Panel



74GHz 64CH DWDM MUX DEMUX

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

Line Link



64CH DWDM MUX DEMUX Dual fiber transmission

64 Channels DWDM MUX DEMUX, supports 64 channels 400G difference business in two optical fiber for point-to-point transmission. It works in IDC transfer system.

Product Specification

Wavelength	1528.68nm-1566.42nm	Channel Spacing	75GHz
Channel Passband	±0.05nm	Technology	AAWG (Flat top)
Insertion Loss	≤ 5.5dB	Link Loss	≤ 11dB
1310nm Port Pass Band Width	1260nm~1360nm	Center Wavelength Accuracy	±0.05nm
Insertion Loss @ 1% Mon	≤ 26dB	Total Crosstalk	≥5dB
Return Loss	≥ 40dB	Directivity	≥ 40dB
Polarization Mode Dispersion	≤ 1.0ps	Polarization Dependent Loss	≤ 0.7dB
Channel Isolation	Adjacent ≥ 18dB Non-adjacent ≥ 25dB	Temperature	Operating -5 to 65°C Storage -40 to 85°C
Net Weight	3.5KG	Dimensions (HxWxD)	44*440*230mm

Note: Specified with connectors.

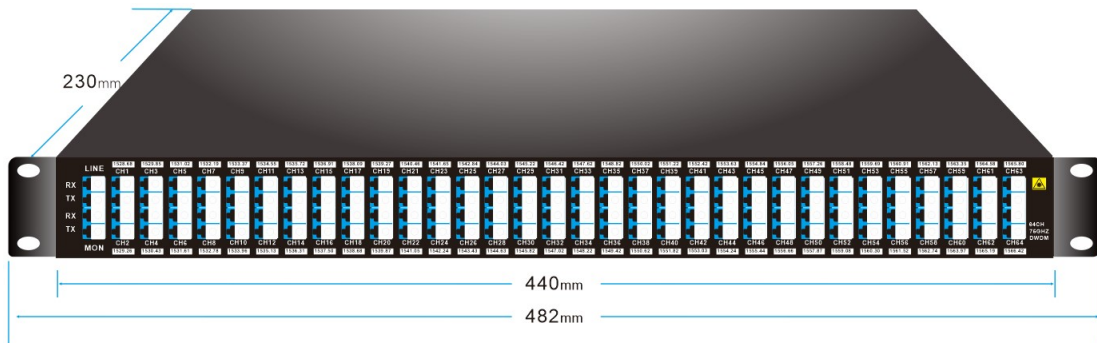
Hannel Plan 64Port AAWG - On grid

Table1 Channels List: Pass bands for 64channel AAWG

Channel #	Frequency (THz)	Wavelength (nm)	Channel #	Frequency (THz)	Wavelength (nm)
1	196.112	1528.68	33	193.712	1547.62
2	196.037	1529.26	34	193.637	1548.22
3	195.962	1529.85	35	193.562	1548.82
4	195.887	1530.43	36	193.487	1549.42
5	195.812	1531.02	37	193.415	1550.02
6	195.737	1531.61	38	193.337	1550.62
7	195.662	1532.19	39	193.262	1551.22
8	195.587	1532.78	40	193.187	1551.82
9	195.512	1533.37	41	193.112	1552.42
10	195.437	1533.96	42	193.037	1553.03
11	195.362	1534.55	43	192.962	1553.63
12	195.287	1535.13	44	192.887	1554.24
13	195.212	1535.72	45	192.812	1554.84
14	195.137	1536.31	46	192.737	1555.44
15	195.062	1536.91	47	192.662	1556.05
16	194.987	1537.50	48	192.587	1556.66
17	194.912	1538.09	49	192.512	1557.26
18	194.837	1538.68	50	192.437	1557.87
19	194.762	1539.27	51	192.362	1558.48
20	194.687	1539.87	52	192.287	1559.08
21	194.612	1540.46	53	192.212	1559.69
22	194.537	1541.05	54	192.137	1560.30

23	194.462	1541.65	55	192.062	1560.91
24	194.387	1542.24	56	191.987	1561.52
25	194.312	1542.84	57	191.912	1562.13
26	194.237	1543.43	58	191.837	1562.74
27	194.162	1544.03	59	191.762	1563.35
28	194.087	1544.63	60	191.687	1563.97
29	194.012	1545.22	61	191.612	1564.58
30	193.937	1545.82	62	191.537	1565.19
31	193.862	1546.42	63	191.462	1565.80
32	193.787	1547.02	64	191.387	1566.42

Package Information



64CH DWDM 19" 1U Rack

Order Information

Product No.	Product description
DMD64-1U01-75GHZ-M-A	75GHz 64CH DWDM MUX DEMUX 1528.68nm-1566.42nm with Monitor Port, LC/UPC 1U Rack

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