SEPITAM

ONE STEP SMARTER

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SEPITAM
DWDM48-DX-1764

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TYPE:

Sepitam-DWDM48-DX-1764

Sepitam WDM multiplexers, including CWDM and DWDM, support various transmission rates and long-distance coverage while utilizing standard wavelengths. They enable the high-speed transmission of multiple services with optimized fiber utilization. Integration with OTN networks and the deployment of various modules such as EDFA, DCM, OTU, and etc. enhance the efficiency and performance of fiber optic networks, ensuring the quality and speed required by customers.

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▶ TYPE: Sepitam-DWDM48-DX-1764

▶ Technical Specification of Sepitam-DWDM48-DX-1764

▶ Dual Fiber 48CH C17-C64 DWDM MUX DEMUX

▶ Description:

With the rapid development of industry informatization, the demand in long distance and large capacity bandwidth increased rapidly, resulting in the rapid growth in the traffic of the access layer, metro area layer and backbone network. The dependence on the bandwidth rent or optical fiber direct-connection already can not meet the needs of clients in the industry.

The 48ch DWDM MUX DEMUX is designed by Sepitam, wavelength from C17 to C64 (1563.86nm~1526.44nm), in accordance with the ITU-T G.694.1 100GHZ grid, it maximizes the capacity of the C-band range.

The 48ch DWDM with 1310nm is totally passive DWDM device, and support low insertion loss < 3.5dB). And it conjunct with The DWDM amplifiers and DCM device, the 48ch DWDM transfer system can support a long distance transmission.

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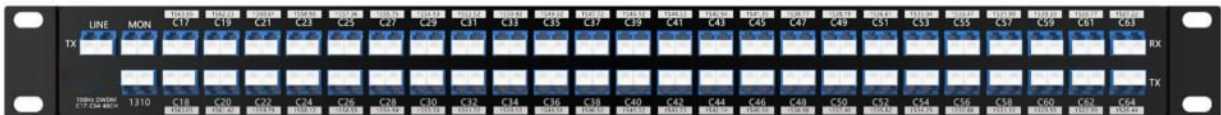
It works in Broadcast and TV, IDC, finance, government, cloud, massive data and other industries.
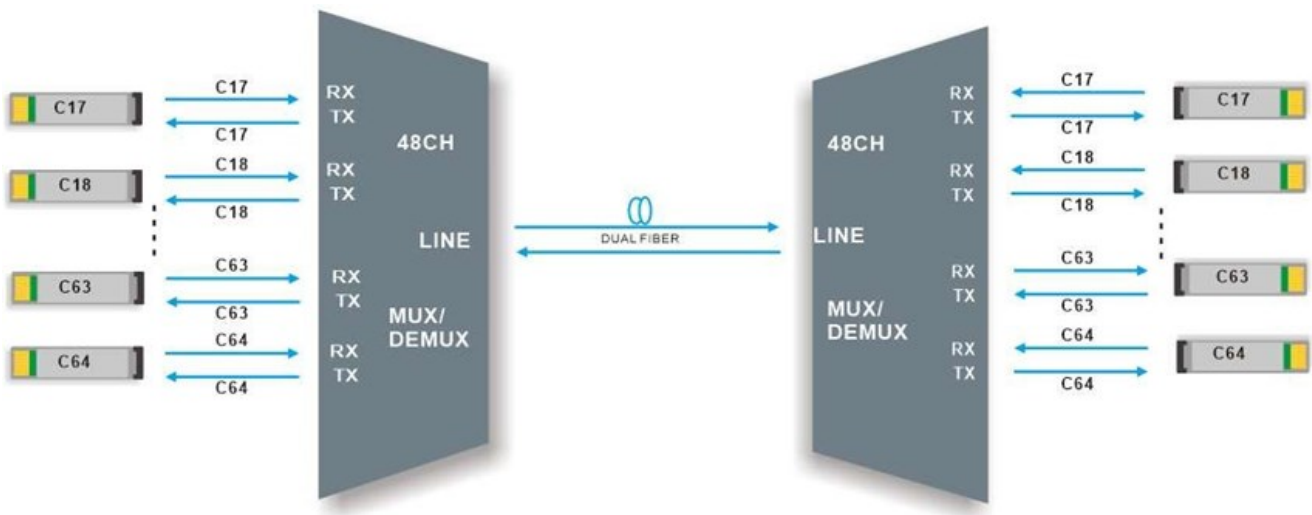
Properties:

- 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.

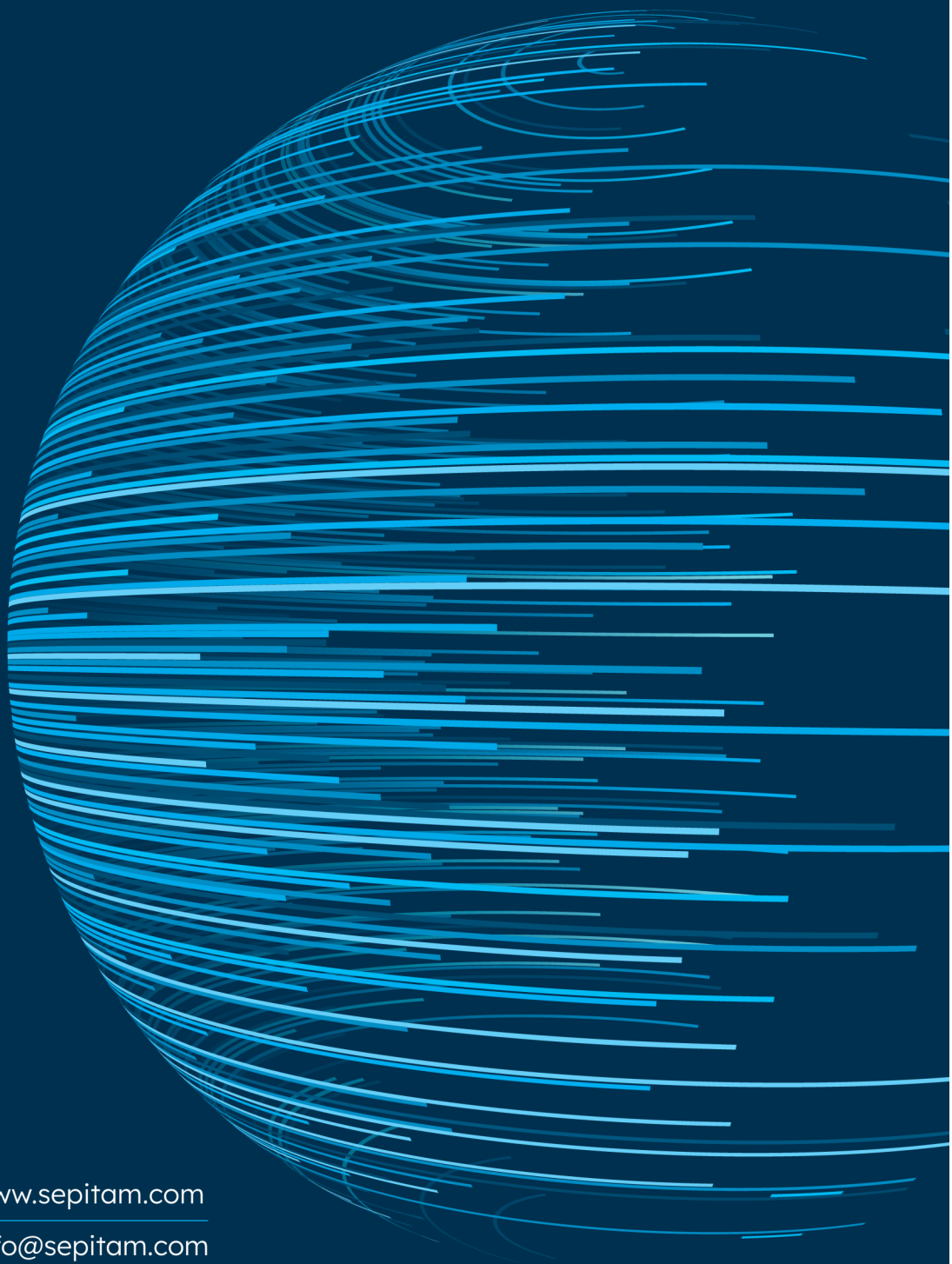# Panel (Dual Fiber):

Line Link:

▶ Specifications:

Parameters	Sepitam-DWDM48-DX-1764
Wavelength (nm)	48channels C17-C64
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	≤ 0.3dB

Parameters	Sepitam-DWDM48-DX-1764
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

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