

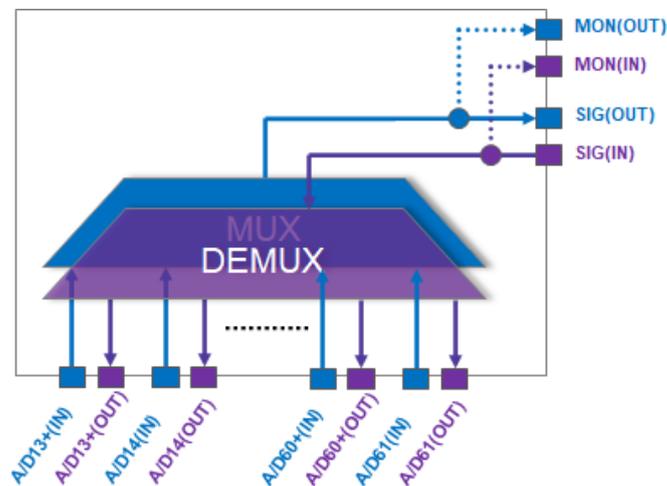
96CH Passive MuxDemux Rack: MUX96

The 96-channel passive MuxDemux rack (MUX96) launched by Sintai Communication is mainly used in DWDM wavelength division system to complete the multiplexing or demultiplexing function of 96 optical wavelengths in the C-band range. It can multiplex different optical wavelengths to one optical fiber or separate multiple optical channels multiplexed in the same optical fiber by wavelength. Based on the waveguide grating technology on silicon substrate, it adopts a unique heat free packaging design, which can achieve accurate channel coupling, low insertion loss, high channel isolation and high stability. It is suitable for 96 wave high-capacity DWDM system.

Product view



Function structure



Application case

- Suitable for multiplexing and demultiplexing 96 channels of DWDM optical signals in C-band

Product specification

96CH Passive MuxDemux Rack (MUX96)	
Function	Support multiplexing and demultiplexing of 96 DWDM optical signals in C-band
Size (HxWxD)	2U: 88 mm (Height)×442 mm (Width)×220 mm (Depth)
Spectral type	Flat-top type
ITU passband frequency	±6.25GHz
Channel spacing	0.4nm (50GHz)
Channel number	96
Wavelength accuracy	≤0.04nm
Channel insertion loss	≤6.5 dB
Insertion loss uniformity	≤1.5dB
1dB bandwidth	≥0.18nm
3dB bandwidth	≥0.28nm
20dB bandwidth	≤0.7nm
Adjacent channels isolation	≥25dB
Non-adjacent channels isolation	≥25dB
Total crosstalk	≥20dB
Return loss	≥ 40dB
Polarization dependent loss	≤0.5dB
Polarization mode dispersion	≤1.0ps
Dispersion	±35ps
Working temperature	-5 ~ +65°C
Storage temperature	-40 ~ +85°C
MON port splitting ratio	21dB (splitting ratio 1%)
Management	Provide RJ-45 management interface to connect with the rear interface card of OTNS8600-DC18 equipment, read the SN / model / PN and other information of the equipment through the network management system, and report the on / off status at the same time, with dumb resource management ability