

# CWDM Mux&DEMUX 1U Rack

2ch/4ch/8ch/16ch/18ch

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## Features

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- Low insertion loss
- Wide operating wavelength range
- High isolation
- High stability and reliability
- Ultra flat wide pass band

## Applications

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- WDM systems
- System monitoring
- Transmitters and Fiber lasers
- Fiber optic instruments

## Description

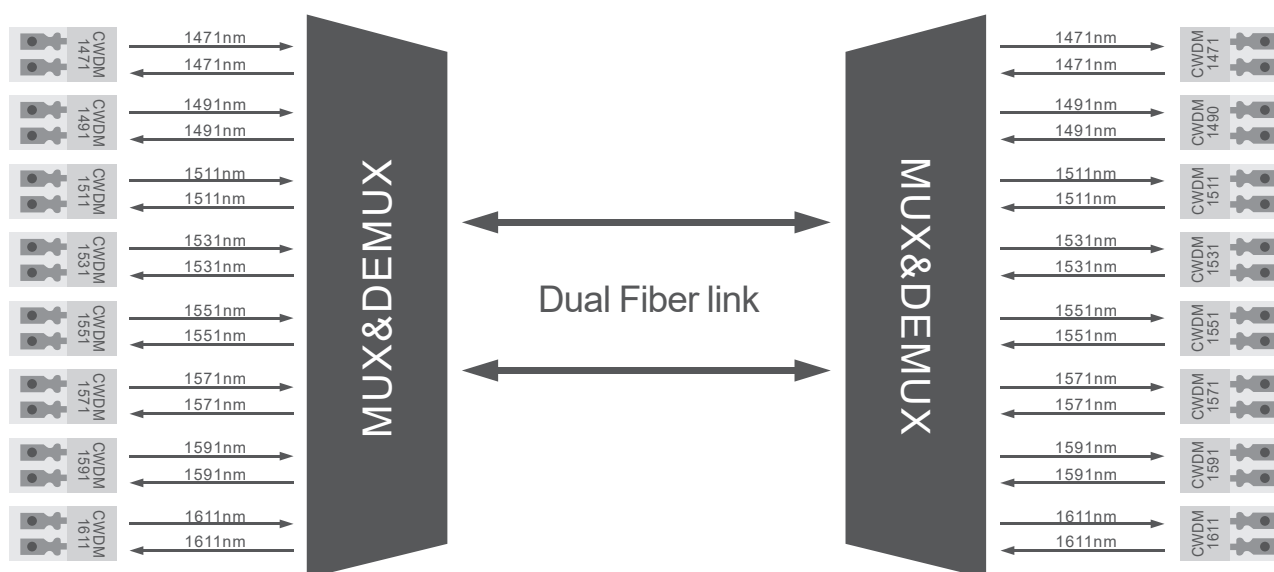
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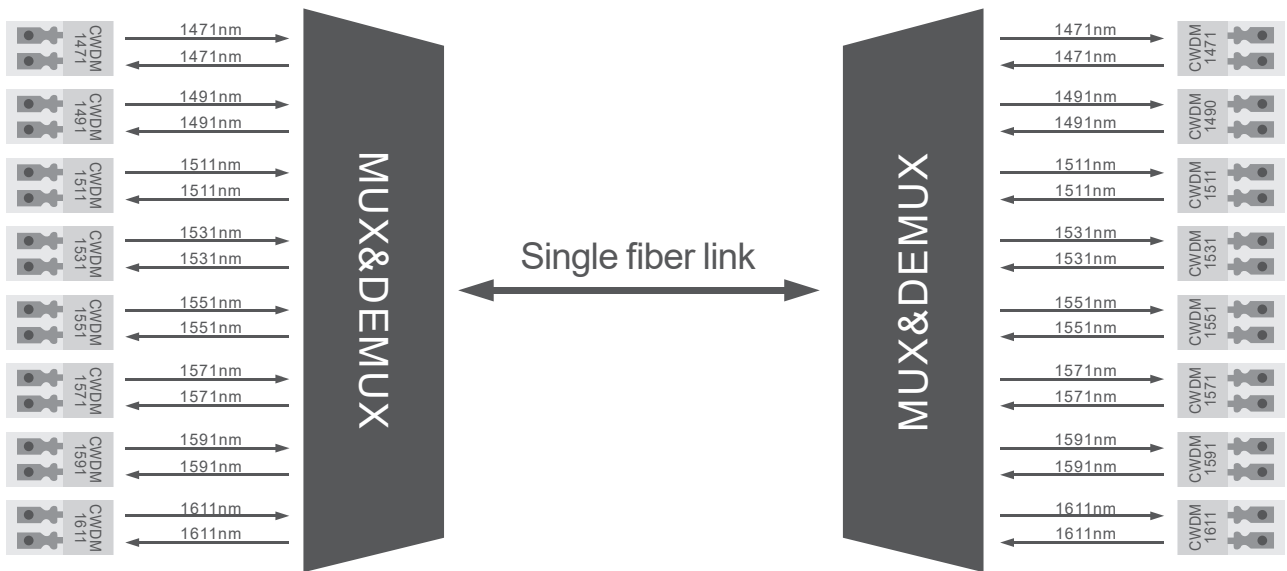
CWDM Mux & Demux module is a wavelength division multiplexing technology base on FTB. can provide customized or special designed products, wavelength is optional , max to 18 Channels. Telcordia GR-1221-CORE is compliance with, low insertion loss and high reliability.

# Performance Specifications

Type	2 Channels	4 Channels	8 Channels	16 Channels
Insertion Loss(dB)	<0.60	<1.80	<2.50	<3.50
Return Loss(dB)			>50	
Operating Wavelength(nm)			>55	
Channel bandwidth (nm)		(1270 ~ 1610) ±10, ±20, ±20, ±40		
Channel flatness (dB)			$\lambda c \pm 6.5$	
Directivity(dB)			<0.40	
Channel uniformity (dB)			<1.0	
Isolation (dB) - Demux adjacent channel			>30	
Isolation (dB) - Mux or Reflection channel			>15	
PDL (dB)			<0.15	
PMD (ps)			<0.10	
Wavelength thermal stability (nm/°C)			<0.003	
Insertion loss thermal stability (dB/°C)			<0.005	
Isolation (dB) - Demux non-adjacent channel			>40	
Power handling (mW)			<500	
Operating temperature (°C)			0 ~ +70	
Storage temperature (°C)			-40 ~ +85	
Dimensions (mm)		$\phi 5.5 \times L34$ or $\phi 5.5 \times L31$		

## Optical path structure





## Order Information

Configuration	Number of Channels	1st Channel	Fiber Type	Fiber Length	In/Out Connector
M=Mux	04=4 Channel	27=1270nm	1=Bare fiber	1=1m	0=None
D=Demux	08=8 Channel	47=1470nm	2=900um	2=1.5m	1=FC/APC
O=OADM	16=16 Channel	49=1490nm	Loose tube	S=Specify	2=FC/UPC
	18=18 Channel	.....	3=2mm Cable		3=SC/APC
	N=N Channel	61=1610nm	4=3mm Cable		4=SC/UPC
	.....	SS=special			5=LC/UPC
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