

## 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

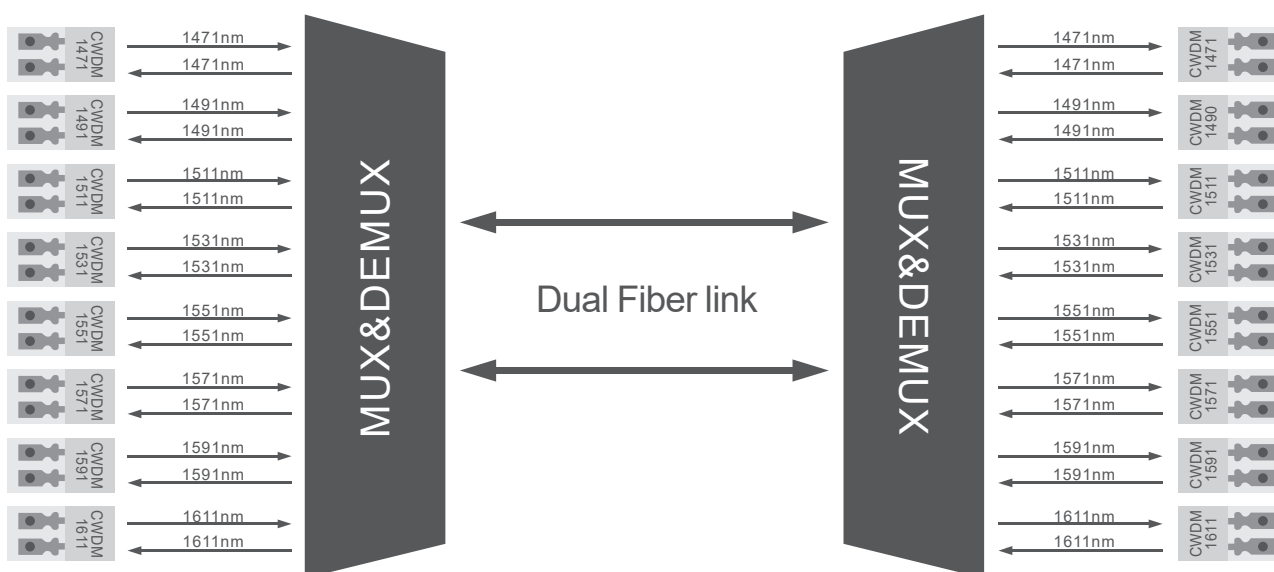
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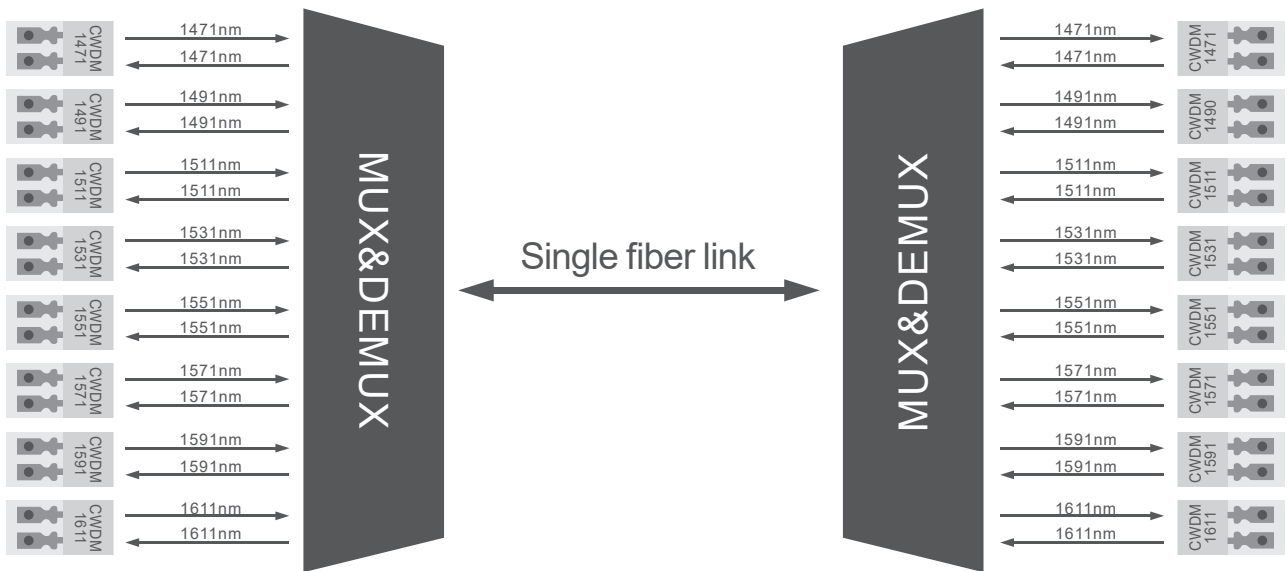
CWDM Mux & Demux module is a wavelength division multiplexing technology base on FTT. AC-UNION can provide customized or special designed products, wavelength is optional , max to 18 Channels. Telcordia GR-1221-CORE is compliance with, low insertion loss and high reliability.

# 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)		$\lambda \pm 6.5$		
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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