

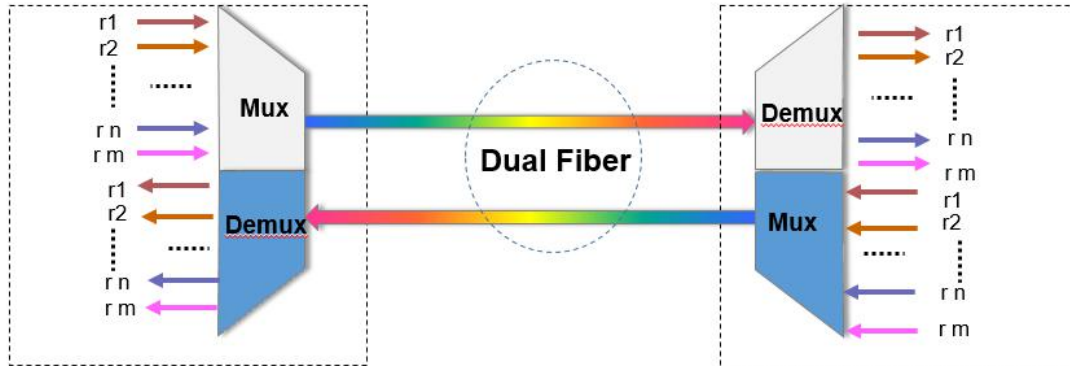
## CWDM DUAL FIBER MUX DEMUX

Passive CWDM Double Fiber Mux & Demux Module, 1U Rack



### Product Features

- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ Low PDL
- ❖ Compact Design
- ❖ Good channel-to-channel uniformity
- ❖ Wide Operating Wavelength: 1270nm to 1620nm Dual fiber application
- ❖ Wide Operating Temperature: -40 to 85°C



## Applications

- ❖ CWDM System
- ❖ PON Networks
- ❖ CATV links

## Description

CWDM technology uses ITU standard 20nm spacing between the wavelengths, from 1270nm to 1620nm. Our CWDM module has 2 to 18 channels. The central wavelength of each channel is specified to one of the ITU-T grid wavelengths. The CWDM module features wide channel bandwidth (13nm). Its isolation is greater than 30dB for adjacent channels, and greater than 40dB for non-adjacent channels. The module also has high thermal stability to ensure reliable performance under different environment.

## Specification

Parameters		16CH	18CH
Center Wavelength (nm)		ITU, ITU+1	
Passband (nm)		ITU±6.5	
Operating Wavelength (nm)		1270-1610nm	
Channel Space (nm)		20	
Fiber Type		SMF-28e or customer specified	
IL (dB)		3.6	5.4
Isolation (dB)	Adjacent Channel	30	
	Non-Adjacent Channel	40	
Ripple (dB)		0.5	
PDL (dB)		0.2	
PMD (ps)		0.1	
RL (dB)		45	
Directivity (dB)		50	
Maximum Optical Power (mw)		500	
Operating Temperature (°C)		-20~70	
Storage Temperature (°C)		-40~85	
19" Rack mount Package		1U	

## Ordering Information

Part Number	Product Description
FM-CWMD16-3161	Passive CWDM Double Fiber Mux & Demux Module 16 CH (1310-1610nm) 1U Rack
FM-CWMD16-XXXX	Passive CWDM Double Fiber Mux & Demux Module 16 CH (XX-XXnm Customer Specified) LC/UPC 1U Rack
FM-CWMD18-2761	Passive CWDM Double Fiber Mux & Demux Module 18 CH (1270-1610nm) LC/UPC 1U Rack
Others	customer specified