

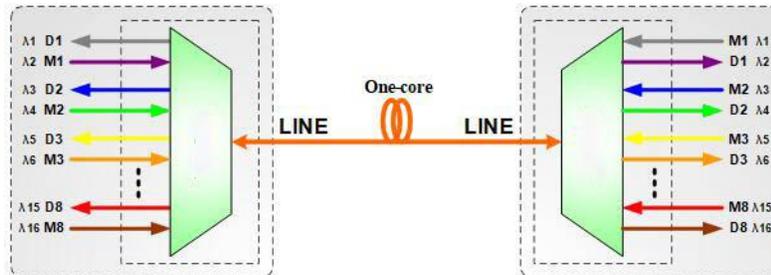
# CWDM SINGLE FIBER MUX DEMUX

CWDM MUX / DEMUX Single FIBER, LC/UPC, 1 RACK



## Product Features

- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ Low PDL
- ❖ Compact Design
- ❖ Good channel-to-channel uniformity
- ❖ Wide Operating Wavelength: 1270nm to 1620nm Single 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		8CH (16wavelengths)
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)		4.8
Isolation (dB)	Adjacent Channel	30
	Non-Adjacent Channel	40
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-CWMUX-8BD3161A	CWDM MUX 8CH 16wavelengths (TX:1310/1330/1350/1370/1390/1410/1430/1450nm, RX:1470/1490/1510/1530/1550/1570/1590/1610 nm ) with Express port, LC/UPC, single fiber, 1U Rack
FM-CWMUX-8BD3161B	CWDM MUX 8CH 16wavelengths (TX:1470/1490/1510/1530/1550/1570/1590/1610nm, RX:1310/1330/1350/1370/1390/1410/1430/1450nm ) with Express port, LC/UPC, single fiber, 1U Rack
Others	Customer Specified

**Note:** FM-CWMUX-8BD3161A and FM-CWMUX-8BD3161B used in pair.