

## CWDM MUX DEMUX 1U RACK

### Description

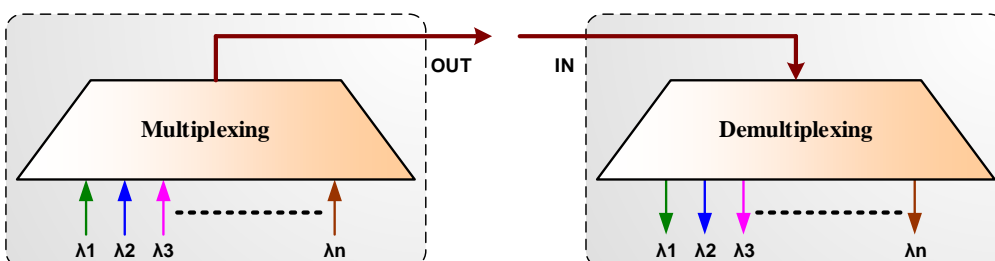
The CWDM series optical transmission system, which provides the flexibility to increase capacity of existing fiber infrastructure by enabling multiple channels/wavelengths (18CH 1270-1610nm) over the same fiber cabling. Each channel carries data independently from each other, allowing network designers to transport different data rates. It's protocol and rate transparent supporting such applications as 1G/10G Ethernet, SDH/SONET and 8/4/2/1G Fiber Channel across the same fiber link.

That provides a reliable, flexible and efficient high bandwidth carrying solution for the operators, Broadcast and TV, IDC, finance, government, cloud, massive data and other industries.

### Features:

- Low Insertion Loss
- High Isolation
- Compact module for simple installation
- Good channel-to-channel uniformity
- Wide Operating Wavelength: 1270nm to 1620nm
- Wide Operating Temperature: -20 to 75°C
- Customized manufacturing, aluminum material for light weight

### Function Structure:



## Product specification

Parameters		CWDM MUX DEMUX Dual fiber 1U RACK			
Center Wavelength (nm)		ITU, ITU+1			
Passband (nm)		ITU±6.5			
Operating Wavelength (nm)		1270\1290\1310\1330\1350\1370\1390\1410\1430\1450\1470\1490\1510\1530\1550\1570\1590\1610nm			
Channels		4ch	8ch	16ch	18ch
Channel Space (nm)		20			
Fiber Type		SMF-28e or customer specified			
IL (dB)		<1.2	<2.4	<4.8	<5.4
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		-20~75			
Storage Temperature ( )°C		-40~85			
1U Rack Package	Weight	1.7kg			
	Dimensions	440*230*44MM			

Notes: Specified with connectors.

## Product OFzer Information:

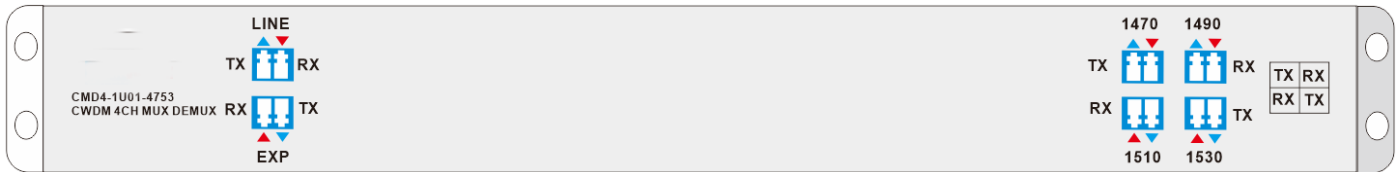
NO.	PART NAME	PART NO.	Product Des.
<b>Dual fiber</b>			
1	CWDM Devices	FZ-CMD4-1U01-4753	CWDM MUX DEMUX 4ch (1470-1530nm) with Express port Dual fiber LC/UPC 1U
2	CWDM Devices	FZ-CMD8-1U01-2741	CWDM MUX DEMUX 8ch (1271-1410nm) with Express port Dual fiber LC/UPC 1U
3	CWDM Devices	FZ-CMD8-1U01-4761	CWDM MUX DEMUX 8ch (1470-1610nm) with Express port Dual fiber LC/UPC 1U
4	CWDM Devices	FZ-CMD16-1U01-3161	CWDM MUX DEMUX 16ch (1310-1610nm) with Express Dual fiber LC/UPC 1U
5	CWDM Devices	FZ-CMD18-1U01-2761	CWDM MUX DEMUX 18ch (1270-1610nm) Dual fiber LC/UPG 1U
<b>Single fiber(used in pair)</b>			
1	CWDM Devices A	FZ-CM4-1U01-4753	CWDM MUX/DEMUX 2ch 4wavelengths(TX1470/1490 RX1510/1530nm) with Express port single fiber LC/UPC 1U
	CWDM Devices B	FZ-CD4-1U01-4753	CWDM MUX/DEMUX 2ch 4wavelengths(TX1510/1530 RX1470/1490nm) with Express port single fiber LC/UPC 1U
2	CWDM Devices A	FZ-CM8-1U01-2741	CWDM MUX/DEMUX 4ch 8wavelengths(TX1270-1330 RX1350-1410nm) with Express port single fiber LC/UPC 1U
	CWDM Devices B	FZ-CD8-1U01-2741	CWDM MUX/DEMUX 4ch 8wavelengths(TX1350-1410 RX1270-1330nm) with Express port single fiber LC/UPC 1U
3	CWDM Devices A	FZ-CM8-1U01-4761	CWDM MUX/DEMUX 4ch 8wavelengths(TX1470-1530 /RX1550-1610nm) with Express port single fiber LC/UPC 1U
	CWDM Devices B	FZ-CD8-1U01-4761	CWDM MUX/DEMUX 4ch 8wavelengths(TX1550-1610 /RX1470-1530nm) with Express port single fiber LC/UPC 1U
4	CWDM Devices A	FZ-CM16-1U01-3161	CWDM MUX/DEMUX 8ch 16wavelengths(TX1310-1450 /RX1470-1610nm) with Express port single fiber LC/UPC 1U
	CWDM Devices B	FZ-CD16-1U01-3161	CWDM MUX/DEMUX 8ch 16wavelengths(TX1470-1610 /RX1310-1450nm) with Express port single fiber LC/UPC 1U
5	CWDM Devices A	FZ-CM18-1U01-2761	CWDM MUX/DEMUX 9ch 18wavelengths(TX1270-1430 /RX1450-1610nm) single fiber LC/UPC 1U
	CWDM Devices B	FZ-CD18-1U01-2761	CWDM MUX/DEMUX 9ch 18wavelengths(TX1450-1610 /RX1270-1450nm) single fiber LC/UPC 1U
<b>Others</b>		<b>Support Customized Design</b>	

## Product Panels Pictures

### Dual Fiber

FZ-CMD4-1U01-4753

CWDM MUX DEMUX 4ch (1470-1530nm) with Express port Dual fiber LC/UPC 1U RACK



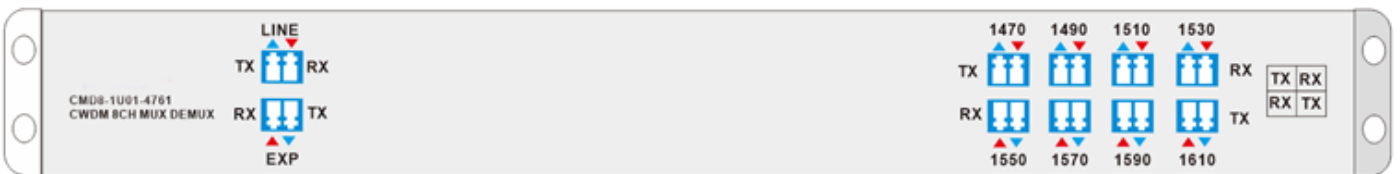
FZ-CMD8-1U01-2741

CWDM MUX DEMUX 8ch (1271-1410nm) with Express port Dual fiber LC/UPC 1U



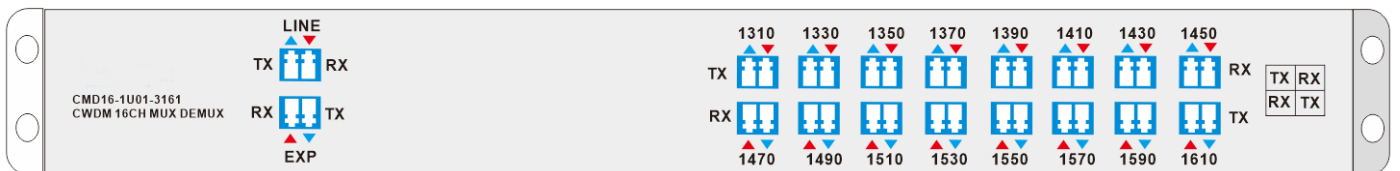
FZ-CMD8-1U01-4761

CWDM MUX DEMUX 8ch (1471-1610nm) with Express port Dual fiber LC/UPC 1U



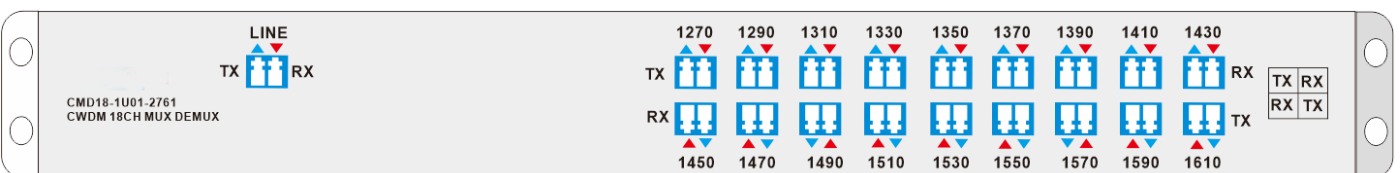
FZ-CMD16-1U01-3161

CWDM MUX DEMUX 16ch (1310-1610nm) with Express Dual fiber LC/UPC 1U



FZ-CMD18-1U01-2761

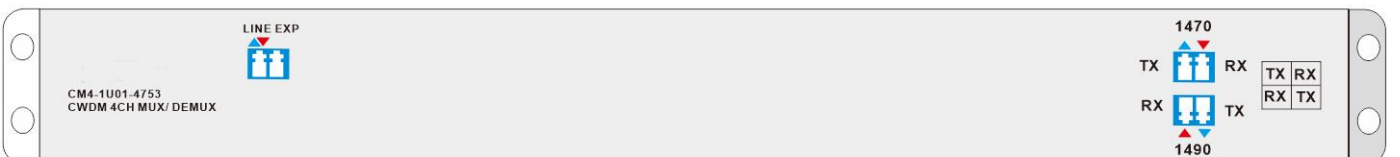
CWDM MUX DEMUX 18CH (1270-1610nm) Dual fiber LC/UPC 1U



### Single Fiber

FZ-CM4-1U01-4753(Device A)

CWDM MUX/DEMUX 2ch 4wavelengths(TX1470/1490 RX1510/1530nm)with Express port single fiber LC/UPC



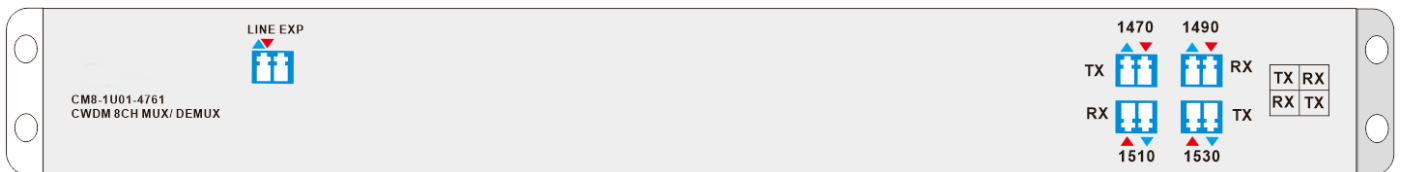
## FZ-CD4-1U01-4753(Device B)

CWDM MUX/DEMUX 2ch 4wavelengths (TX1510/1530 RX1470/1490nm) with Express port single fiber LC/UPC  
1U



## FZ-CM8-1U01-4761( Device A)

CWDM MUX/DEMUX 4ch 8wavelengths (TX1470-1530 RX1550-1610nm) with Express port single fiber LC/UPC  
1U



## FZ-CD8-1U01-4761(Device B)

CWDM MUX/DEMUX 4ch 8wavelengths (TX1550-1610 RX1470-1530nm) with Express port single fiber LC/UPC  
1U



## FZ-CM16-1U01-3161(Device A)

CWDM MUX/DEMUX 8ch 16wavelengths (TX1310-1450 /RX1470-1610nm) with Express port single fiber  
LC/UPC 1U



## FZ-CD16-1U01-3161(Device B)

CWDM MUX/DEMUX 8ch 16wavelengths (TX1470-1610 /RX1310-1450nm) with Express port single fiber  
LC/UPC 1U



FZ-CM18-1U01-2761(Device A)

CWDM MUX/DEMUX 9ch 18wavelengths (TX1270-1430 /RX1450-1610nm) single fiber LC/UPC 1U



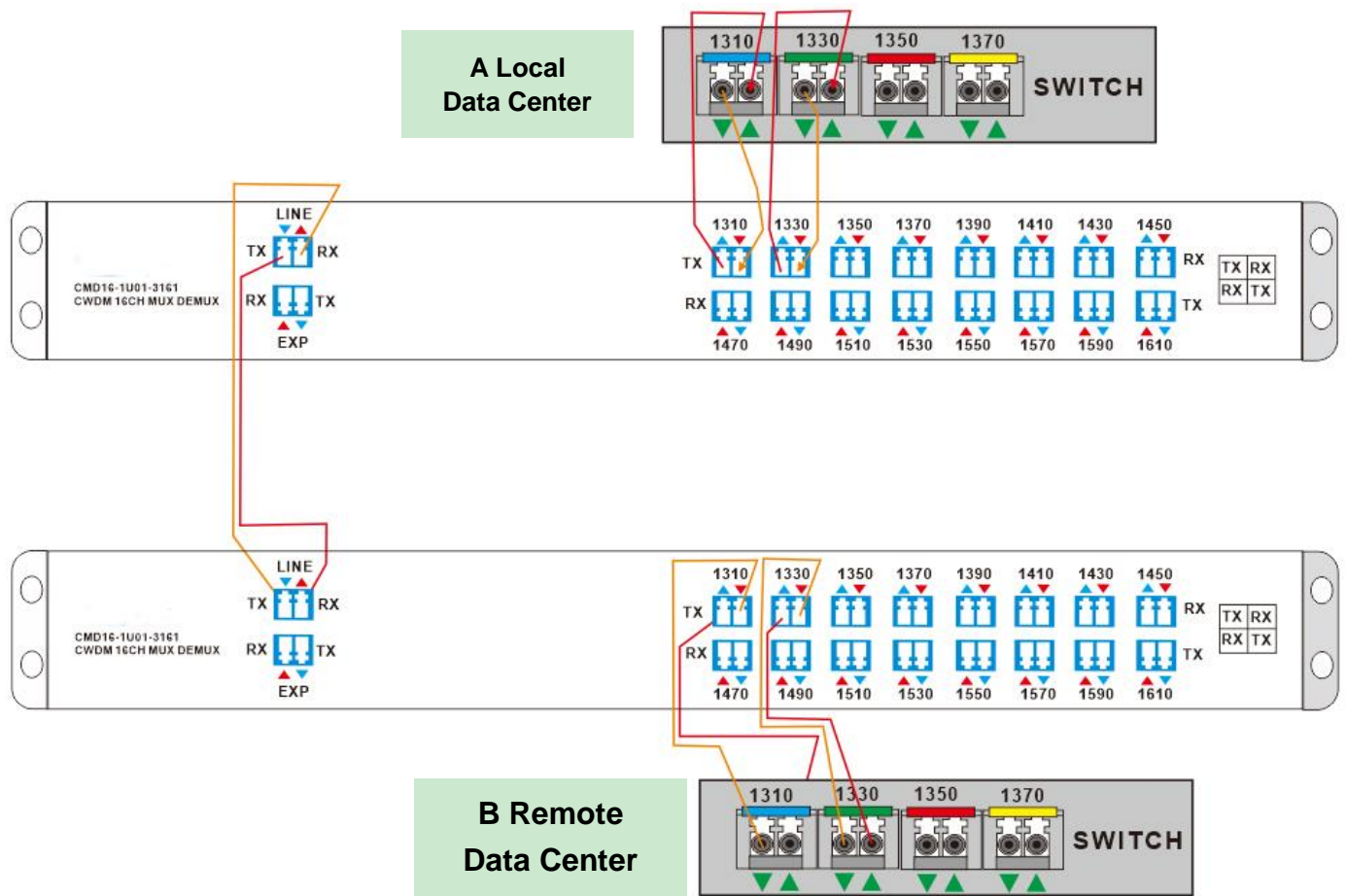
FZ-CD18-1U01-2761 (Device B)

CWDM MUX/DEMUX 9ch 18wavelengths(TX1450-1610 /RX1270-1450nm) single fiber LC/UPC 1U



## Product Link

Dual fiber Application



## Single Fiber Application

