

CWDM MUX DEMUX LGX BOX

Description

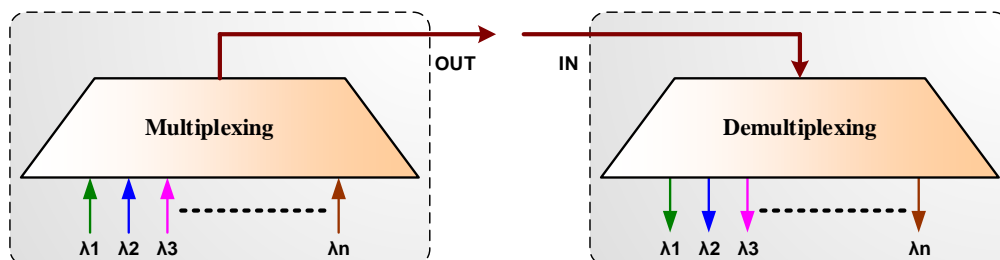
The CWDM series optical transmission system, which provides the flexibility to increase capacity of existing fiber infrastructure by enabling multiple channels/wavelengths (18CH 1270-1610nm) over the same fiber cabling. Each channel carries data independently from each other, allowing network designers 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. The product available in various package for different environmental application.

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
- Good channel-to-channel uniformity
- Wide Operating Wavelength: 1270nm to 1620nm
- Wide Operating Temperature: -20 to 75°C
- Small size, easy for installation and usage for the connection between BBU and RRU
- Reliable for the fiber network expand

Function Structure:



Product specification

Parameters		CWDM MUX DEMUX 18CH Dual Fiber			
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			
LGX ABS	Weight	0.1kg			
Box Package	Dimensions	130*100*25MM			
1U Rack Package	Weight	1.5kg			
	Dimensions	435*110*44MM			
3U Rack Package	Weight	2.5kg			
	Dimensions	435*110*135MM			
Outdoor Rack Package	Weight	1.4kg			
	Dimensions	370*280*105MM			

Notes: Specified with connectors.

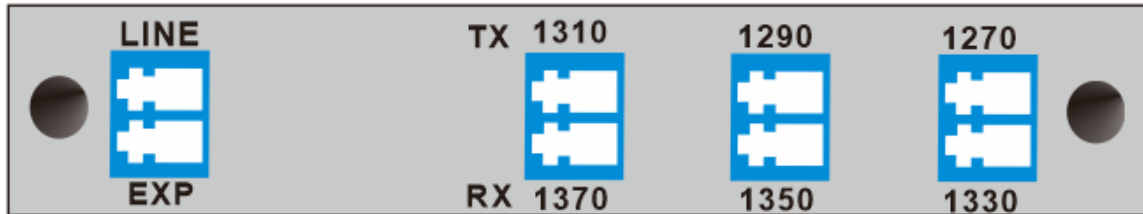
Product Order Information:

NO	PART NAME	PART NO.	Product Des.
Single fiber(used in pair)			
1	CWDM Devices A	FZ-CA6-LGXC01-2737	CWDM MUX/DEMUX 3ch 6wavelengths (TX1270-1310 RX1330-1370nm) with Express port single fiber LC/UPC LGX Box
	CWDM Devices B	FZ-CB6-LGXC01-2737	CWDM MUX/DEMUX 3ch 6wavelengths (TX1330-1370 RX1270-1310nm) with Express port single fiber LC/UPC LGX Box
2	CWDM Devices A	FZ-CA8-LGXC01-2741	CWDM MUX/DEMUX 4ch 8wavelengths(TX1270-1350 RX1370-1410nm) with Express port single fiber LC/UPC LGX Box
	CWDM Devices B	FZ-CB8-LGXC01-2741	CWDM MUX/DEMUX 4ch 8wavelengths(TX1370-1410 RX1270-1350nm) with Express port single fiber LC/UPC LGX Box
3	CWDM Devices A	FZ-CA12-LGXC01-2749	CWDM MUX/DEMUX 6ch 12wavelengths(TX1270-1370 RX1390-1490nm) with Express port single fiber LC/UPC LGX Box
	CWDM Devices B	FZ-CB12-LGXC01-2749	CWDM MUX/DEMUX 6ch 12wavelengths(TX1390-1490 RX1270-1370nm) with Express port single fiber LC/UPC LGX Box
Others		Support Customized Design	
1	1U Rack	FZ-1U-3LGX	3 Slots 1U Rack for LGX ABS Box 435*110*44MM
2	3U Rack	FZ-3U-16LGX-01	16 Slots 1U Rack for LGX ABS Box MM
3	Outdoor Rack	FZ-LGX--1-B1	Outdoor Rack for LGX ABS Box

Product Panels

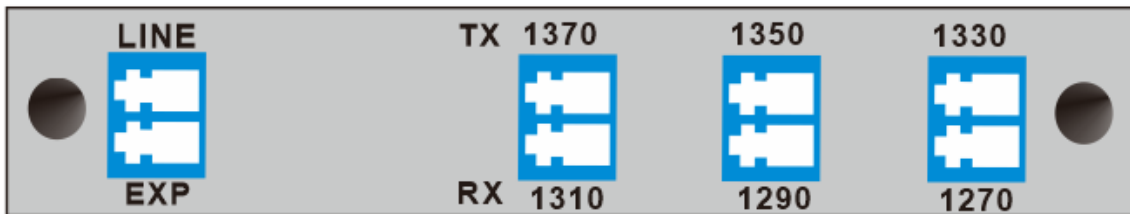
FZ-CA6-LGXC01-2737 (CWDM Devices A)

CWDM MUX/DEMUX 3ch 6wavelengths (TX1270-1310 RX1330-1370nm) with Express port single fiber LC/UPC
LGX Box



FZ-CB6-LGXC01-2737 (CWDM Devices B)

CWDM MUX/DEMUX 3ch 6wavelengths (TX1330-1370 RX1270-1310nm) with Express port single fiber LC/UPC
LGX Box



FZ-CA8-LGXC01-2741 (CWDM Devices A)

CWDM MUX/DEMUX 4ch 8wavelengths(TX1270-1350 RX1370-1410nm) with Express port single fiber LC/UPC
LGX Box



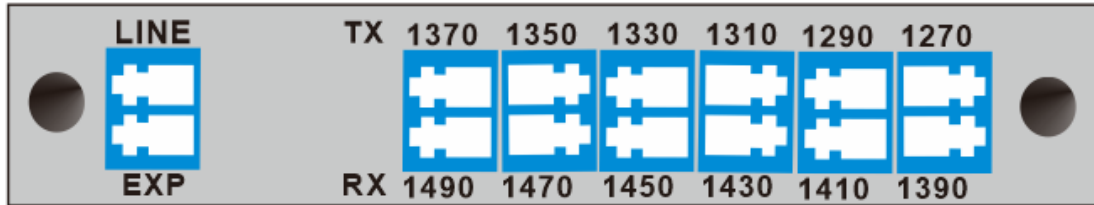
FZ-CB8-LGXC01-2741(CWDM Devices B)

CWDM MUX/DEMUX 4ch 8wavelengths(TX1370-1410 RX1270-1350nm) with Express port single fiber LC/UPC
LGX Box



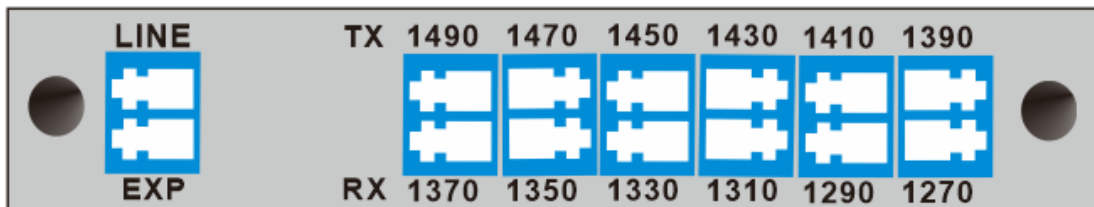
FZ-CA12-LGXC01-2749(CWDM Devices A)

CWDM MUX/DEMUX 6ch 12wavelengths (TX1270-1370 RX1390-1490nm) with Express port single fiber LC/UPC LGX Box

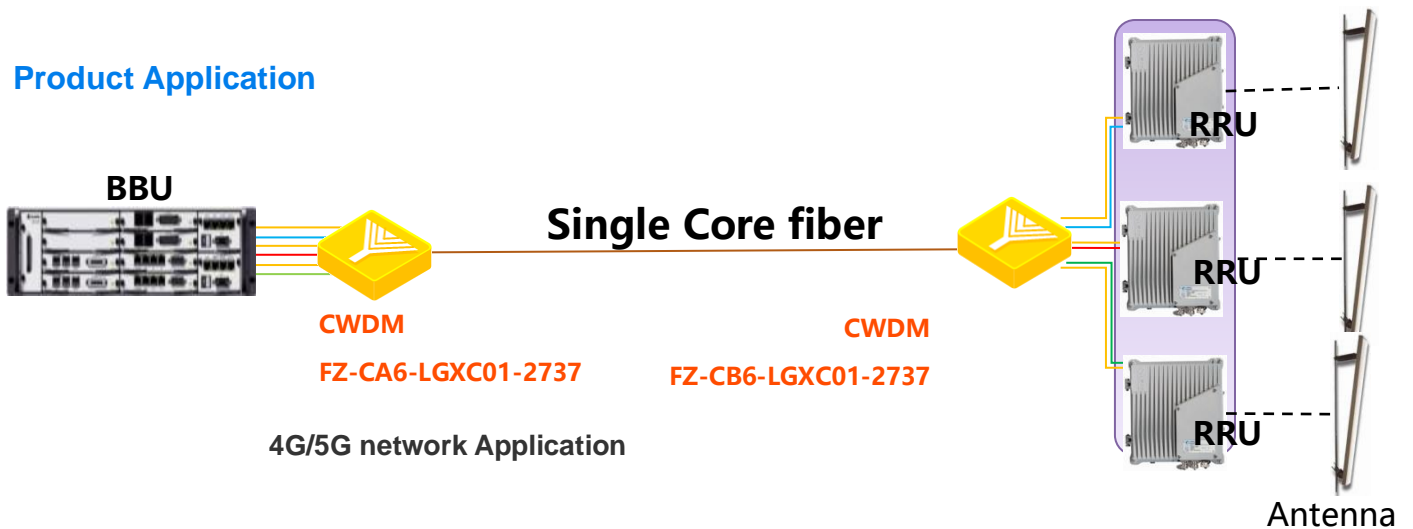


FZ-CB12-LGXC01-2749(CWDM Devices B)

CWDM MUX/DEMUX 6ch 12wavelengths(TX1390-1490 RX1270-1370nm) with Express port single fiber LC/UPC LGX Box



Product Application



4G network BOM information

NO.	PART NAME	PART NO.	Product Des.	QTY		
				BBU	RRU	Total
1	CWDM Devices A	FZ-CA6-LGXC01-2737	CWDM MUX/DEMUX 3ch 6wavelengths	1	0	1
2	CWDM Devices B	FZ-CB6-LGXC01-2737	CWDM MUX/DEMUX 3ch 6wavelengths	0	1	1
3	SFP Transceiver	TSCD-10GC10-27	SFP+ 10G 1270 CWDM 10KM DDM	1	0	1
4	SFP Transceiver	TSCD-10GC10-29	SFP+ 10G 1290 CWDM 10KM DDM	1	0	1
5	SFP Transceiver	TSCD-10GC10-31	SFP+ 10G 1310 CWDM 10KM DDM	1	0	1
6	SFP Transceiver	TSCD-10GC10-33	SFP+ 10G 1330 CWDM 10KM DDM		1	1
7	SFP Transceiver	TSCD-10GC10-35	SFP+ 10G 1350 CWDM 10KM DDM		1	1
8	SFP Transceiver	TSCD-10GC10-37	SFP+ 10G 1370 CWDM 10KM DDM		1	1

5G network BOM information

NO.	PART NAME	PART NO.	Product Des.	QTY		
				BBU	RRU	Total
1	CWDM Devices A	FZ-CA6-LGXC01-2737	CWDM MUX/DEMUX 3ch 6wavelengths	1	0	1
2	CWDM Devices B	FZ-CB6-LGXC01-2737	CWDM MUX/DEMUX 3ch 6wavelengths	0	1	1
3	SFP Transceiver	TSCD-25GC10-27	SFP28 25G 1270 CWDM 10KM DDM	1	0	1
4	SFP Transceiver	TSCD-25GC10-29	SFP28 25G 1290 CWDM 10KM DDM	1	0	1
5	SFP Transceiver	TSCD-25GC10-31	SFP28 25G 1310 CWDM 10KM DDM	1	0	1
6	SFP Transceiver	TSCD-25GC10-33	SFP28 25G 1330 CWDM 10KM DDM		1	1
7	SFP Transceiver	TSCD-25GC10-35	SFP28 25G 1350 CWDM 10KM DDM		1	1
8	SFP Transceiver	TSCD-25GC10-37	SFP28 25G 1370 CWDM 10KM DDM		1	1

Product Link

