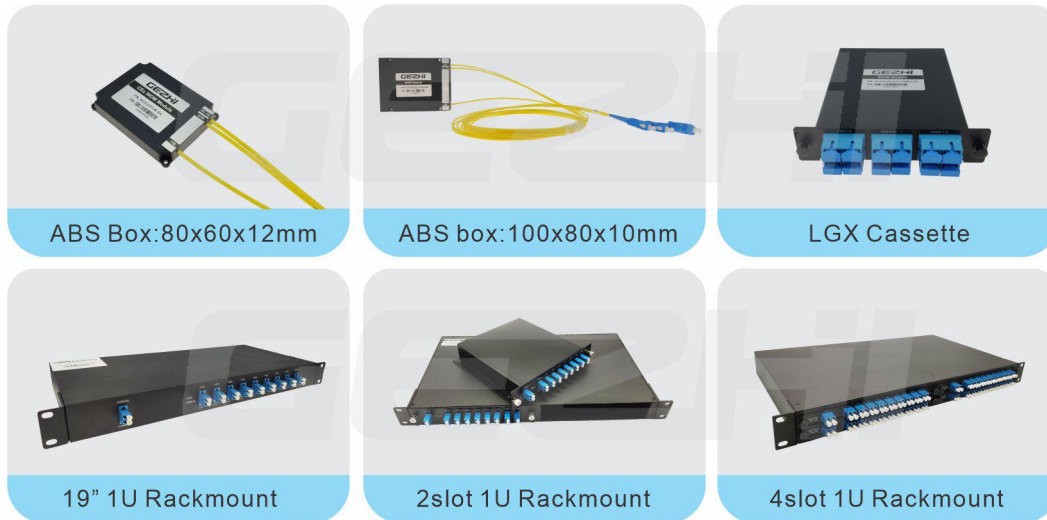


CWDM OADM



GEZHI CWDM Optical Add/Drop multiplexer (OADM) is a passive optical device used in WDM networks for adding and dropping one/multiple CWDM channels into one or two fibers, while letting the rest of the wavelengths bypass to the needed destination. Through the use of CWDM technology, individual channels can be optically extracted from a fiber pair while allowing pass-through traffic to continue unobstructed through the bus or ring.

CWDM OADM modules are available in single-sided (East or West) and dual-sided (East and West) . Each CWDM OADM uses wavelengths that fall within the ITU-T G.694.2 CWDM grid standard from 1270nm to 1610nm with 20nm spacing.

Features	Application
<ul style="list-style-type: none"> ● Low Insertion Loss ● Low Crosstalk ● High Stability, High Reliability ● Epoxy-free on Optical Path 	<ul style="list-style-type: none"> ● Line Monitoring ● WDM Network ● Telecommunication ● Configurable OADM

Ordering Information

CWDM	Number of Channels	Configuration	Module type	Cable type	Fiber length	connector
OADM	01=1Channel 02=2 Channel 03=3 Channel 04=4 Channel 16=16Channel 17=17Channel 18=18Channel	SS=Single fiber West or East SD=Single fiber West & East DS=Dual Fiber West or East DD=Dual Fiber West & East	A1=ABS box 100x80x10mm A2=ABS box 120x80x18mm A3=ABS box 140x115x15mm L1=LGX 129*29*130mm L2=LGX insert in 2slot Rack L4=LGX insert in 4slot Rack R1=19" 1 U Rack R2=2slot 19"1U Rack R4=4slot 19"1U Rack S=Specify	09=900um loose tube 20=2.0mm 30=3.0mm	05=0.5m 10=1.0m 15=1.5m S=Specify	00=none LP=LC/UPC LA=LC/APC SP=SC/UPC SA=SC/APC FP=FC/UPC FA=FC/APC S=Specify

Performance

Parameter		Unit	1CH		2CH		4CH		8CH	
			Add	Drop	Add	Drop	Add	Add	Add	Drop
Channel Wavelength		nm	1270~1610nm							
Channel Spacing		nm	20							
Channel Passband (@-0.5dB bandwidth)		nm	>14							
Insertion Loss		dB	<0.9		<1.2		<1.5		<2.8	
Special Service		/	Monitor or 1310nm is available							
Channel Ripple		dB	0.3							
Isolation	Adjacent	dB	>30	>30	>30	>30	>30	>30	>30	>30
	Non-adjacent	dB	>40	>40	>40	>40	>40	>40	>40	>40
Inertion Loss Temperature Sensitivity		dB/°C	<0.005							
Wavelength Temperature Shifting		nm/°C	<0.002							
Polarization Dependent Loss		dB	<0.1							
Polarization Mode Dispersion		dB	<0.1							
Directivity		dB	>50							
Return Loss		dB	>45							
Maximum Power Handling		mW	300							
Opterating Temperature		°C	-5~+75							
Storage Temperature		°C	-40~85							
Package dimension		mm	L100xW80xH10				L120xW80xH18		L141xW115xH18	

Custom Transmission Direction

