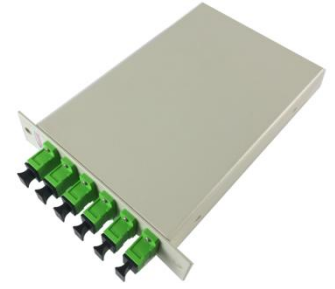


Simplex Bi-directional DWDM OADM Module

Auxora's Simplex BiDi DWDM OADM is designed to add/drop DWDM signals into one fiber, which makes it a flexible, low-cost solution for increasing the bandwidth demand on enterprise and metro access networks. It can simultaneously support ESCON, ATM, Fiber Channel, Gigabit-Ethernet, without disturbing each other.

Auxora provides customized design to suit situations in which your existing network has one or two fibers, redundant network, ring or linear network design etc.



FEATURES

- Low insertion loss and High channel isolation
- Exceptional reliability and stability
- Optional extension and wide band ports for network upgrade, existing equipment or Add/Drop
- Epoxy free optical path
- Telcordia GR-1221 and GR1209 Compliant

APPLICATIONS

- DWDM System
- Access Network
- Metro WDM Systems
- Enterprise Network

SPECIFICATIONS

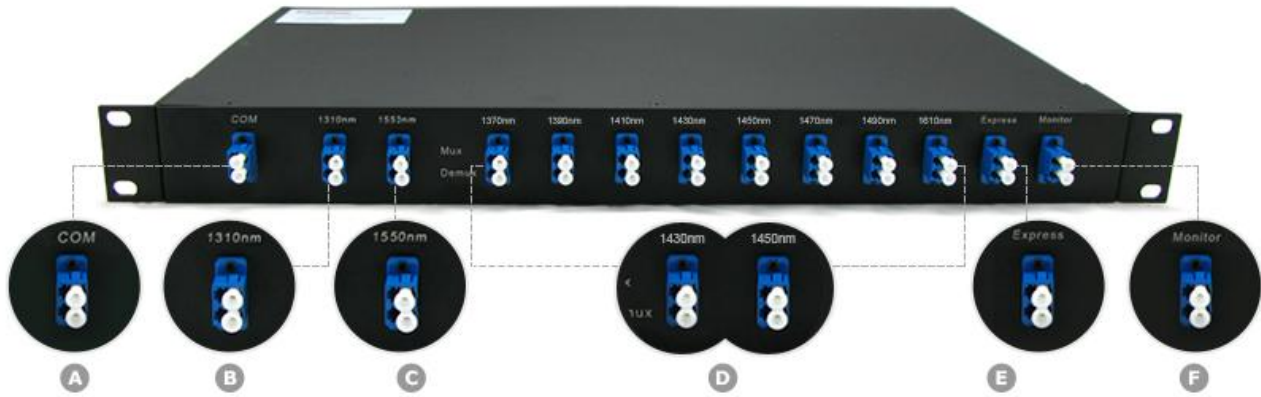
Parameters		1CH	2CH	3CH	4CH	5CH	6CH	7CH	8CH
Operating Wavelength (nm)		1520~1570							
Channel Spacing (GHz)		100							
Channel Passband (nm)		ITU \pm 0.11							
IL (dB)	Add & Drop	≤ 1.0	≤ 1.3	≤ 1.6	≤ 1.8	≤ 2.0	≤ 2.2	≤ 2.4	≤ 2.6
	Express Channel	≤ 0.8	≤ 1.2	≤ 1.8	≤ 2.4	≤ 3.0	≤ 3.6	≤ 4.2	≤ 4.8
Isolation (dB)	Adjacent Channel	≥ 25							
	Non-Adjacent Channel	≥ 40							
	Express Channel	≥ 20							
Pass band Ripple (dB)		≤ 0.5							
PDL (dB)		≤ 0.2							
PMD (ps)		≤ 0.1							
RL (dB)		≥ 50							
Directivity (dB)		≥ 50							
Max. Optical Power (mw)		300							
Operating Temperature ($^{\circ}$ C)		-5~75							
Storage Temperature ($^{\circ}$ C)		-40~85							
Fiber Type		Corning SMF-28e or G657A							
Package Dimension (mm)		ABS or LGX or 19" Rack or Customized							

NOTES:

- 1) All specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.
- 2) PMD and chromatic dispersion values are guaranteed by design.
- 3) IL is 0.3 dB higher, RL is 5 dB lower for connector added
- 4) For modules with monitoring port/skipper UPG port/1310nm legacy port, IL is 0.3dB higher
- 5) Specifications are subject to change without notice

Packing Types & Front Panels

- 19" 1RU Rack chassis or 23" 1RU Rack chassis



- LGX Metal Box



- ABS BOX:



A. Common port:

- Trunk input and output in both west and east traffic.
- LC, SC, ST and FC connectors available.

B. Add/Drop port on west:

- Add and Drop on west.
- LC, SC, ST and FC connectors available.
- Compliant to ITU-T G.657A1 DWDM standard, 100GHz Grid.

C. Add/Drop port on east:

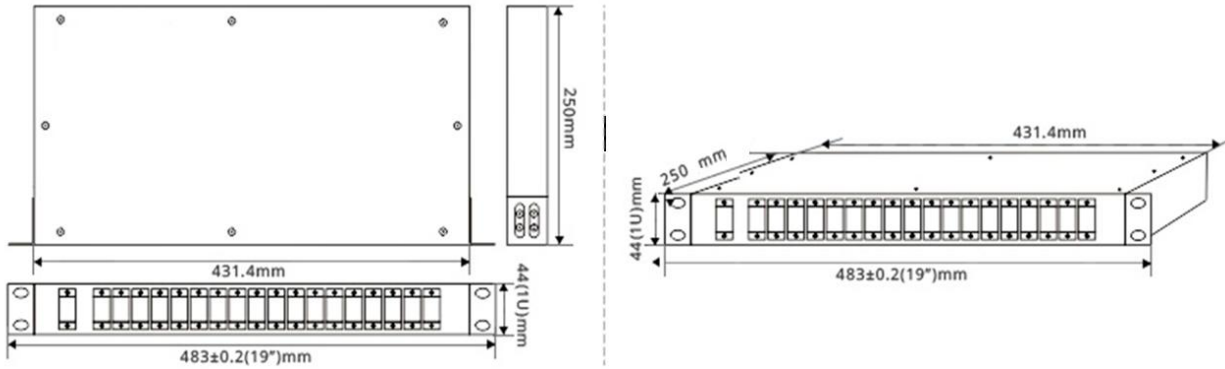
- Add and Drop on east.
- LC, SC, ST and FC connectors available.
- Compliant to ITU-T G.657A1 DWDM standard, 100GHz Grid.

NOTE:

- ✚ Actual layout depends on the chosen connector type as well as other factors. However, the principal scheme stays the same.
- ✚ We provide optional port configurations such as: Express Port, Monitor Port, 1310nm passband port and 1550nm port for these multiplexers according to customer choice, need more details, please contact saleschina@auxora.cn

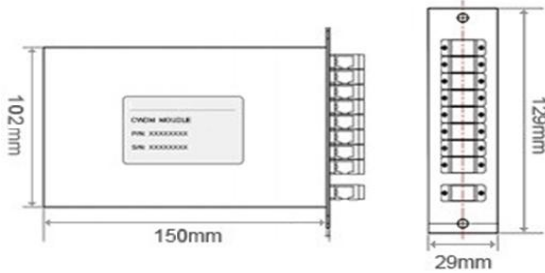
Mechanical Drawing: (only for reference)

- 19" 1RU Rack chassis or 23" 1RU Rack chassis



- LGX Metal Box

LGX-Three (Standard): Fit to Empty 4RU 19 inch Rack Mount beside

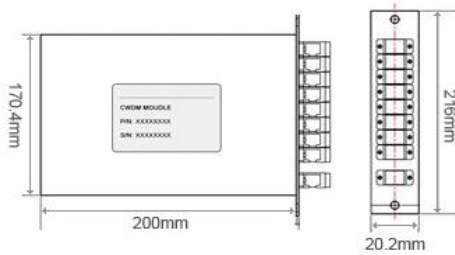


150 x 129 x 29 mm



4RU rackmount holding 12pcs LGX-Three

LGX-Two: Fit to Empty 1RU 19 inch Rack Mount beside

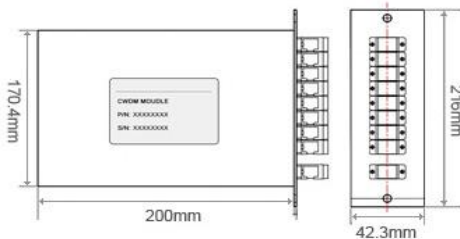


200 x 216 x 20.2mm



1RU rackmount holding 4pcs LGX-Two

LGX-One: Fit to Empty 1RU 19 inch Rack Mount beside

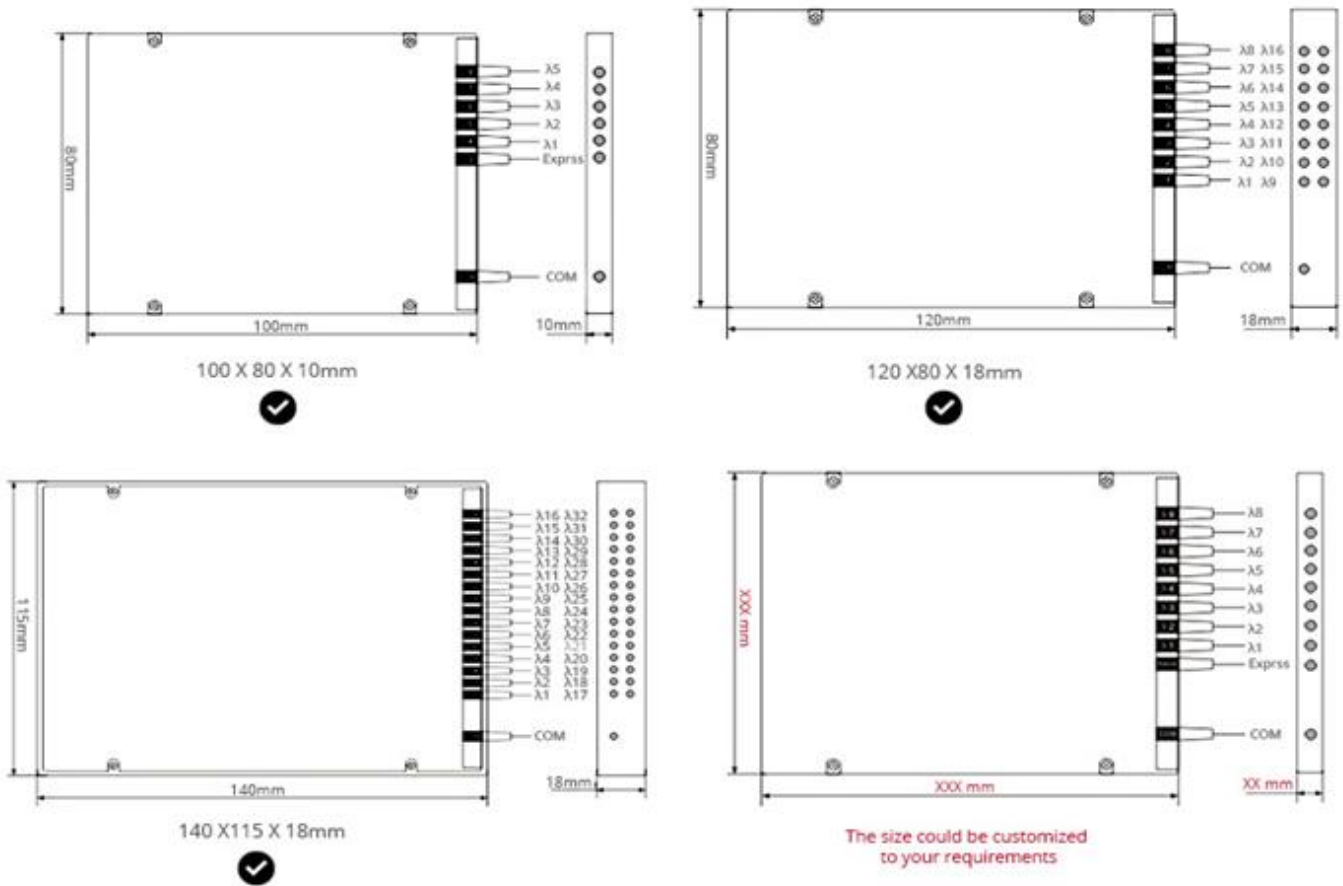


200 x 216 x 42.3 mm



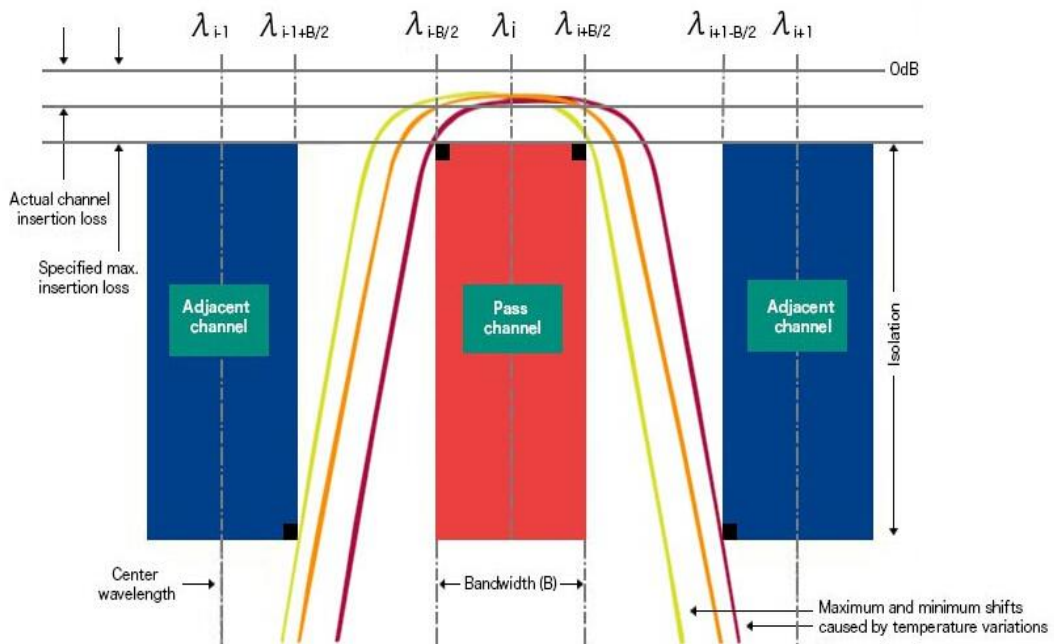
1RU rackmount holding 2pcs LGX-One

● **ABS Box**

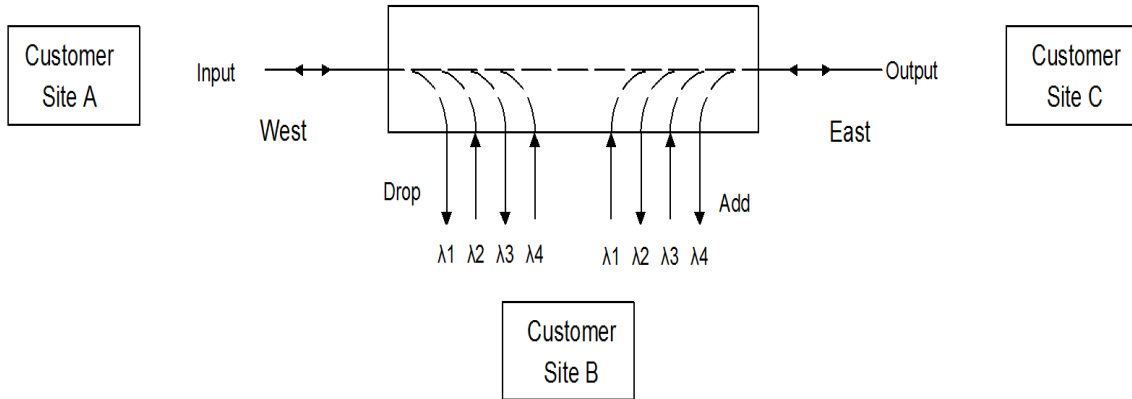


Please note that the drawings shown here only refer to the dimensions and don't not show the specific configuration of the module.

Typical Spectral Diagram:



Inter-connect Diagram:



Ordering Information: (e.g. ADM-1BD040020PS1-101010-555)

ADM-	X	X	XX	XX(X)	XX	XX	X	-	XX	XX	XX	-	X	X	X
WDM Type	Module Type	Port Configuration	Special Ports	Initial Wavelength	Package Type	Fiber Jacket		Input	Add/Drop	Output	Input	Add/Drop	Output		
1=100GHz	BD=Simple BiDi OADM	01=1-CH	00=None	15=C15	P0=80*60*8	0=250um Bare fiber		10=1.0m	10=1.0m	10=1.0m	0=None	0=None	0=None		
2=200GHz		02=2-CH	01=1310nm Port	16=C16	P1=80*60*12	1=900um tube		12=1.2m	12=1.2m	12=1.2m	1=FC/UPC	1=FC/UPC	1=FC/UPC		
		02=Monitor Port	P2=125*96*15	2=2.0mm Cable		---	---	---	2=FC/APC	2=FC/APC	2=FC/APC		
		08=8-CH	03=Express Port	72=C72	PS=100*80*10	3=3.0mm Cable		15=1.5m	15=1.5m	15=1.5m	3=SC/UPC	3=SC/UPC	3=SC/UPC		
			04=UPG with Skipper		PM=120*80*18	N=NA		NA=N/A	NA=N/A	NA=N/A	4=SC/APC	4=SC/APC	4=SC/APC		
			12=1310nm+Mon.		PL=140*115*18	X=Customized		XX=customized	XX=customized	XX=customized	5=LC/UPC	5=LC/UPC	5=LC/UPC		
			13=1310nm+EXP.		L1=LGX -One						6=LC/APC	6=LC/APC	6=LC/APC		
			42=UPG+Monitor		L2=LGX -Two						XX=Customized	XX=Customized	XX=Customized		
			---		L3=Standard LGX										
			123=Express+Monitor +EXP.		19=19"rack mount										
					XX= customized										