

# Passive Multiplexer Products Catalog

V1 10/14/2019



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# INTRODUCTION

ProLabs Passive WDM Mux products are purpose design to assist network operators to maximize existing fiber infrastructure. Coarse Wavelength Division Multiplexing (CWDM) and Dense Wavelength Division Multiplexing (DWDM) offer fiber network scalability, to add connections without adding fiber optic infrastructure. ProLabs passive mux products complement our full line of transceivers to complete a full WDM solution. Passive WDM muxes are data rate and transmission type agnostic. Passive WDM muxes support ethernet, SONET, CPRI, Fibre Channel and other types of data supported by WDM.

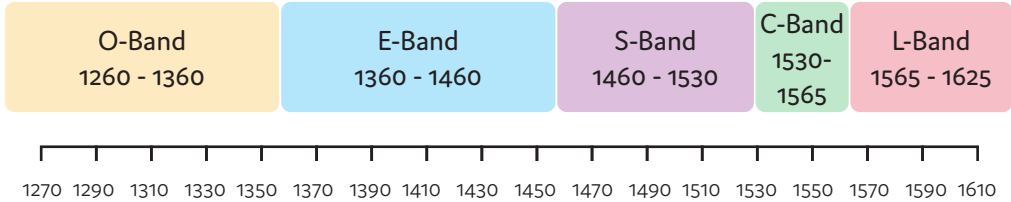
ProLabs offers multiple form factors to utilize valuable existing rack space and to fit into legacy mounting chassis.



# Our Passive Mux Offering

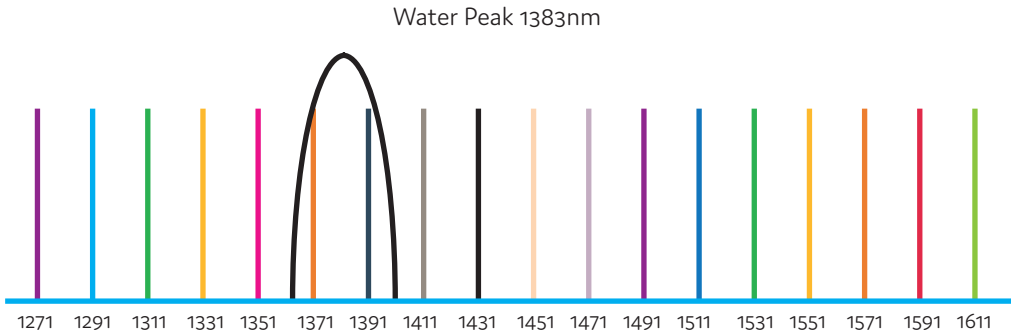
## 1) Technology and Applications

### ITU WDM Spectrum



### Coarse Wavelength Division Multiplexing (CWDM)

Is a cost-effective technology, offering up to 18 channels with 20nm spacing. While common transceivers may be labeled as "1470" or "1610" center wavelengths, ITU G.694.2 defines a 1nm center wavelength offset (i.e. 1471, 1611) rather than the more commonly used nomenclature.

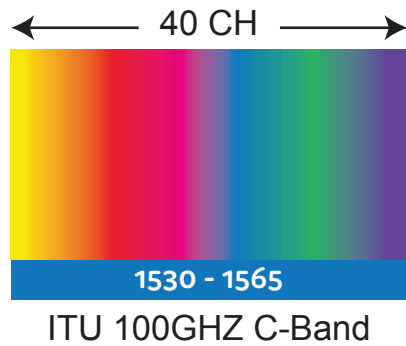


ITU G.694.2 CWDM Spectral Wavelength Grid

CWDM connections are possible over the shorter wavelengths (1271nm ~ 1451nm), including the water peak. Fiber loss over the short wavelengths is greater than the typical 1471 ~ 1611. Please refer to your local fiber conditions for actual fiber loss.

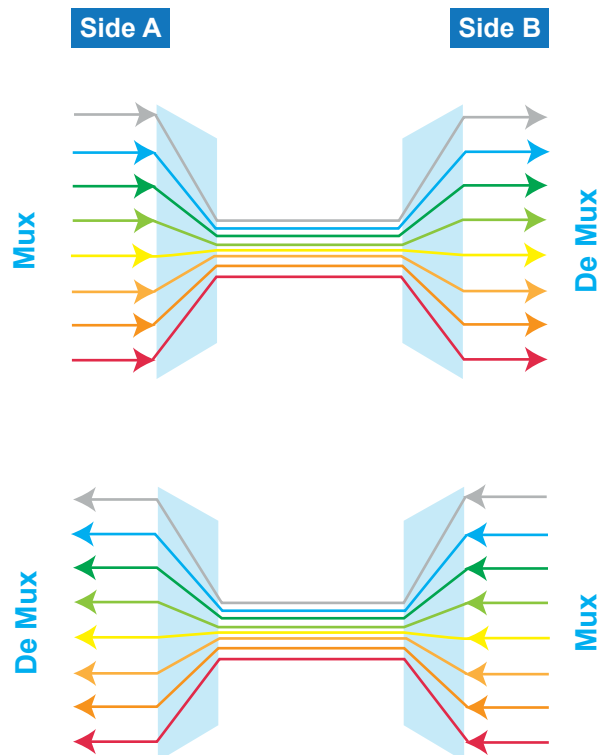
## Dense Wavelength Division Multiplexing (DWDM)

Offers 40 channels over the 100GHz C-Band, spaced at 0.8nm. 100GHz C-Band is the most common DWDM grid used in the market, with 50GHz C-Band, and 100GHz L-Band solutions emerging as viable technologies. Passive mux solutions for 50GHz and L-Band network needs are special order items.



## Applications

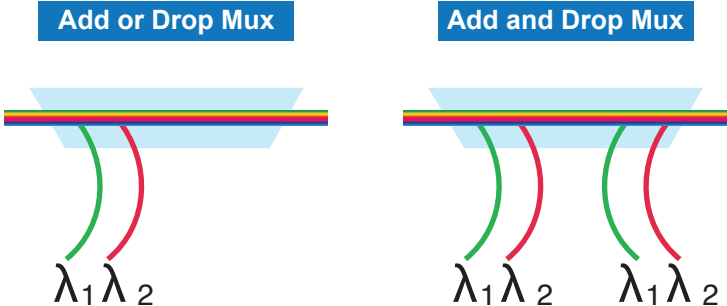
Common dual fiber muxes include both a Multiplexer (Mux) and a Demultiplexer (Demux) to both combined and separate each WDM wavelength.



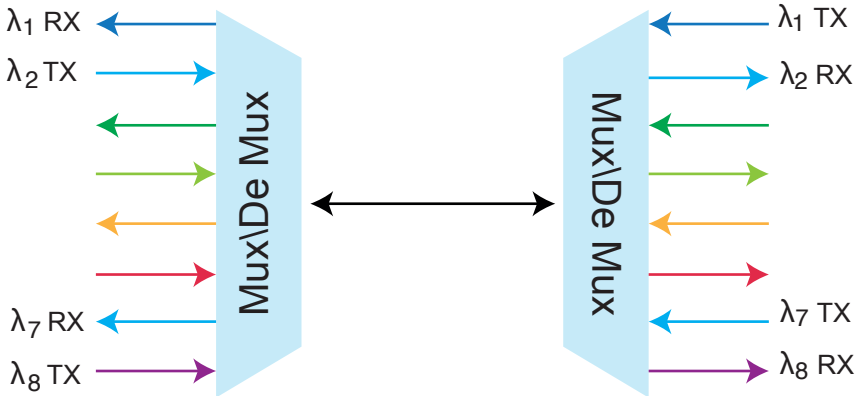


Add/Drop Muxes (OADM) are used in two applications.

Add or Drop muxes allow access to a WDM trunk to add or drop a WDM wavelength. Add and Drop muxes offer access to allow both an add and drop to a WDM trunk. Add and Drop muxes are typically used in fiber ring applications.



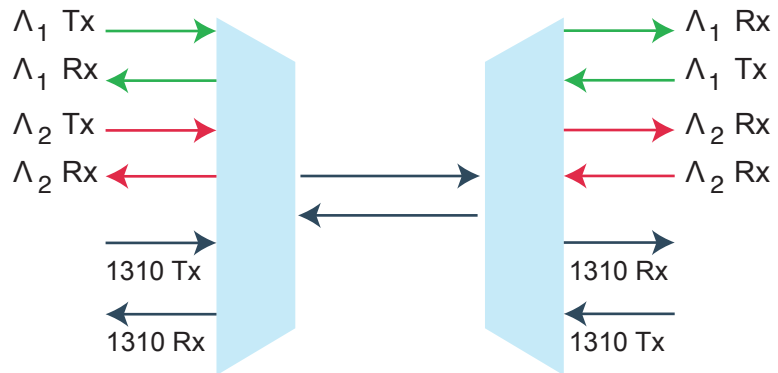
Single fiber muxes offer WDM connections for duplex WDM transceivers over a single optical fiber. The wideband receiver of a WDM transceiver will accept the light from across the WDM spectrum. These multiplexers require two WDM wavelengths per connection.



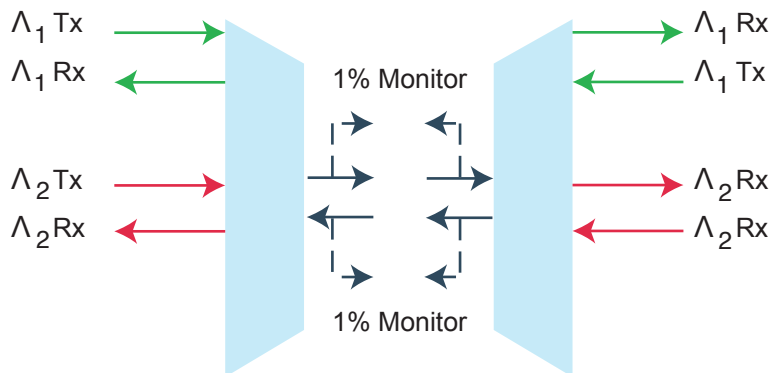
## Additional Port Options

Passive WDM Muxes include additional port options to overlay existing "gray" circuits, provide monitor access and upgrade.

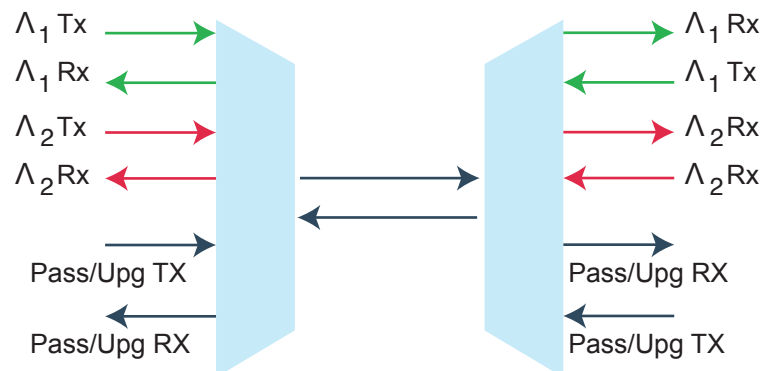
**1310 Port** - Pass through port of wideband 1310 or "grey" optic circuit on to a WDM connection.



**Monitor Port** - This port provides a test access port to monitor the WDM signal, at 1% of the optical power level.

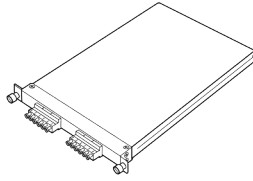


**Express Ports** - Also called Pass or Upgrade Ports, offer the function of add/drop or pass through additional WDM channels. WDM wavelengths not locally muxed or demuxed are available for the pass port. This function allows the cascading of muxes through the pass port scale beyond the stated mix channel capacity.



## 2) Rack Mount Multiplexer Products

### A) ProLabs Cartridge



Cartridge Dimensions:

W: 6.9in (175.33mm)

D: 9.98in (253.4mm)

H: 0.7in (18mm)

CWDM, DWDM, Mux/Demux, OADM Options

Duplex LC/UPC Adapter

### Ordering Information

Coarse Wavelength Division Multiplexing (CWDM) Cartridges

Part Number	Description
CWDM-MUX-4X1D-A	4 Ch CWDM Mux/Demux, 1471, 1491, 1511, 1531nm, with Express Ports
CWDM-MUX-4X1D-B	4 Ch CWDM Mux/Demux, 1551, 1571, 1591, 1611nm, with Express Ports
CWDM-MUX-4X1D-C	4 Ch CWDM Mux/Demux, 1511, 1531, 1551, 1571nm, with Express Ports
CWDM-MUX-4X1D-D	4 Ch CWDM Mux/Demux, 1471, 1491, 1591, 1611nm, with Express Ports
CWDM-MUX-4X1D-E	4 Ch CWDM Mux/Demux, 1271, 1291, 1311, 1331nm, with Express Ports
CWDM-MUX-4X1D-F	4 Ch CWDM Mux/Demux, 1331, 1351, 1371, 1391nm, with Express Ports
CWDM-MUX-4XSF-1	4 Ch Single Fiber CWDM Mux/Demux, 1471, 1511, 1551, 1591nm
CWDM-MUX-4XSF-2	4 Ch Single Fiber CWDM Mux/Demux, 1491, 1531, 1571, 1611nm
CWDM-MUX-8D	8 Ch CWDM Mux/Demux 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611nm, with Express Port
CWDM-MUX-8D+	8 Ch CWDM Mux/Demux 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611nm, with Monitor Port
CWDM-MUX-8D+1310	8 Ch CWDM Mux/Demux 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611nm, with 1310 Gray Port
CWDM-MUX-8D-A	8 Ch CWDM Mux/Demux 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431nm, with Express Port
CWDM-MUX-8XSF-1	8 Ch CWDM Single Fiber Mux/Demux Cartridge, 1291/1331/1371/1411/1471/1511/1551/1591
CWDM-MUX-8XSF-2	8 Ch CWDM Single Fiber Mux/Demux Cartridge, 1311/1351/1391/1431/1491/1531/1571/1611
CWDM-MUX-8X1S	8 Ch CWDM Demux Cartridge 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611nm with Express Ports
CWDM-MUX-8X1S+	8 Ch CWDM Demux Cartridge, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431nm w/Express Port
CWDM-MUX-18X1S	18 Channel CWDM Mux Cartridge, 1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611nm
CWDM-MUX-18X1S+	18 Channel CWDM Demux Cartridge, 1611, 1591, 1571, 1551, 1531, 1511, 1491, 1471, 1451, 1431, 1411, 1391, 1371, 1351, 1331, 1311, 1291, 1271nm
CWDM-OADM-1D-XXXX	1 Ch CWDM OADM Cartridge, Add and Drop,
CWDM-OADM-2D-XXXX	1 Ch CWDM OADM + 1310 port Cartridge, Add and Drop XXXX = CWDM Wavelength Available channels 1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611nm
CWDM-OADM-3D-X	2 Ch CWDM OADM + 1310 port Cartridge, Add and Drop x= 1 - 1471/1491, 2 - 1511/1531, 3 - 1551/1571, 4 - 1591/1611





## Dense Wavelength Division Multiplexers (DWDM)

Part Number	Description
DWDM-MUX-4D-xx-yy	4Ch DWDM Mux/Demux, with pass ports, 100Ghz ITU C-Band
DWDM-MUX4DA-xx-yy	4Ch DWDM Mux/Demux, with pass and 1310 Port, 100Ghz ITU C-Band
DWDM-MUX4DB-xx-yy	4Ch DWDM Mux/Demux with 1310, pass, and monitoring port, 100Ghz ITU C-Band
DWDM-MUX-8D-xx-yy	8Ch DWDM Mux/Demux, with pass ports , 100Ghz ITU C-Band
DWDM-MUX8DA-xx-yy	8Ch DWDM Mux/Demux, with pass and 1310 Port, 100Ghz ITU C-Band
DWDM-MUX8DB-xx-yy	8Ch DWDM Mux/Demux with 1310, pass, and monitoring port, 100Ghz ITU C-Band
DWDM-MUX-8xSF-1	8 Ch DWDM Single Fiber Mux/Demux Cartridge, Chs 39, 37, 34, 32, 29, 27, 24, and 22
DWDM-MUX-8xSF-2	8 Ch DWDM Single Fiber Mux/Demux Cartridge, Chs 38, 36, 33, 31, 28, 26, 23, and 21
DWDM-MUX-8xSF+-1	8 Ch DWDM Single Fiber Mux/Demux Cartridge, Chs 59, 57, 54, 52, 49, 47, 44, and 42
DWDM-MUX-8xSF+-2	8 Ch DWDM Single Fiber Mux/Demux Cartridge, Chs 58, 56, 53, 51, 48, 46, 43, and 41
DWDM-MUX-8xSF-xx-yy	8 Ch DWDM Single Fiber Mux/Demux Cartridge
DWDM-OADM-4D-xx-yy	4Ch OADM Add and Drop DWDM Cartridge, ITU 100Ghz C-Band
DWDM-OADM-D-1D-XX	DWDM Add or Drop Cartridge with 1 wavelengths w/ Express port
DWDM-OADM-D-2D-XX-YY	DWDM Add or Drop Cartridge with 2 wavelengths w/ Express port
DWDM-OADM-D-3D-XX-YY	DWDM Add or Drop Cartridge with 3 wavelengths w/ Express port
DWDM-OADM-D-4D-XX-YY	DWDM Add or Drop Cartridge with 4 wavelengths w/ Express port

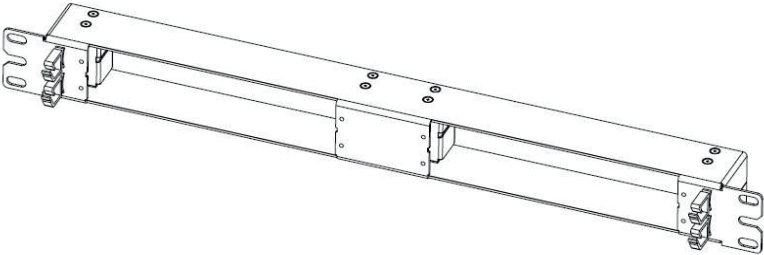
xx = beginning ITU channel, yy = ending ITU channel



## ProLabs Chassis

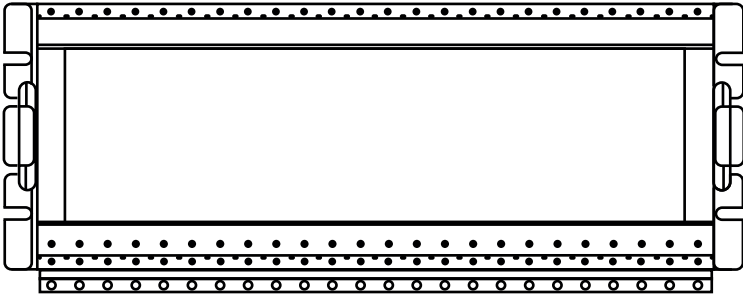
ProLabs 1U 4-slot and 4U 24-slot chassis are total front access and support all ProLabs form factor cartridges.

### 4-Slot Chassis



### 4-Slot Chassis Dimensions

- W: 19in (480.5mm)
- D: 10in (253.4mm) \* with cartridges loaded
- H: 1.7in (43mm)



### 24-Slot Chassis Dimensions

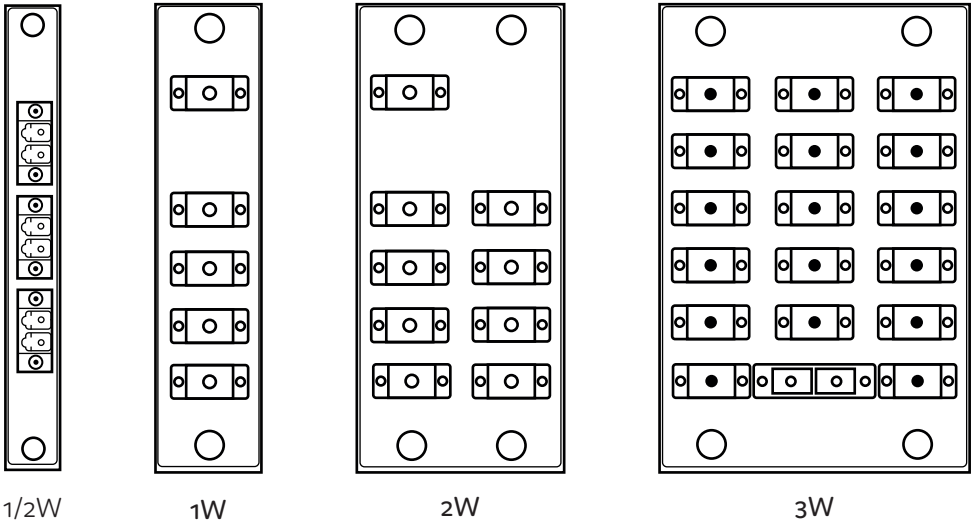
- W: 19in (480.5mm)
- D: 11in (278.3mm)
- H: 7.5in (190.3mm)

Part Number	Description
WDM-CH-4X1U	1U 19" 4-Slot chassis for ProLabs cartridges
MUX-24X4U-CHASSIS	4U 19" 24-slot chassis for ProLabs cartridges



## B) LGX-Style Modules

ProLabs offers industry standard, LGX-style mux modules for deployment in standard LGX chassis or in 1/2W LGX chassis. LC UPC adapters are standard on LGX-style mux modules.



### LGX-Style Dimensions

<p>1/2W "Slim Mux"</p> <p>W: 0.6in (15.2mm)</p> <p>H: 5in (127mm)</p> <p>D: 3.98in (101mm)</p>	<p>1W LGX-Style</p> <p>W: 1.13in (28.7mm)</p> <p>H: 5in (127mm)</p> <p>D: 6.25in (158.75mm)</p>
<p>2W LGX-Style</p> <p>W: 2.28in (57.9mm)</p> <p>H: 5in (127mm)</p> <p>D: 6.25in (158.75mm)</p>	<p>3W LGX-Style</p> <p>W: 3.43in (87.12mm)</p> <p>H: 5in (127mm)</p> <p>D: 6.25in (158.75mm)</p>



## ProLabs LGX-Style Module Ordering Information

### Slim Mux 1/2W LGX Form Factor

Coarse Wavelength Division Multiplexers (CWDM)

Part Number	Description
C-CWDM-MUXSH2-xx-yy	1/2W LGX 2ch CWDM Mux or Demux, Simplex, UPC LC Connectors
C-CWDM-MUXSH4-xx-yy	1/2W LGX 4ch CWDM Mux or Demux. Simplex, UPC LC Connectors
C-CWDM-MUXSH8-xx-yy	1/2W LGX 8ch CWDM Mux or Demux, Simplex, UPC LC Connectors
C-CWDM-MUXDH2-xx-yy	1/2W LGX 2ch CWDM Mux and Demux, UPC LC Connectors
C-CWDM-MUXDH4-xx-yy	1/2W LGX 4ch CWDM Mux and Demux, UPC LC Connectors
CMUX-4MUX-SMC-xx-yy	1/2W LGX 4ch CWDM Mux, UPC LC Connectors, w/1490/1310 port

xx = beginning wavelength yy = ending wavelength

Dense Wavelength Division Multiplexers (DWDM)

Part Number	Description
C-DWDM-MUXSH2-xx-yy	1/2W LGX 2ch DWDM Mux or Demux, Simplex, UPC LC Connectors
C-DWDM-MUXSH4-xx-yy	1/2W LGX 4ch DWDM Mux or Demux. Simplex, UPC LC Connectors
C-DWDM-MUXSH8-xx-yy	1/2W LGX 8ch DWDM Mux or Demux, Simplex, UPC LC Connectors
C-DWDM-MUXDH2-xx-yy	1/2W LGX 2ch DWDM Mux and Demux, UPC LC Connectors
C-DWDM-MUXDH4-xx-yy	1/2W LGX 4ch DWDM Mux and Demux, UPC LC Connectors

xx = beginning ITU channel, yy = ending ITU channel

### Standard LGX-Style Form Factor

CWDM Mux/Demux Products

Part Number	Description
C-CWDMMUXDL4EM-47-53	1W LGX 4 Ch CWDM Mux and Demux, Duplex, 1471, 1491, 1511, 1531nm w/Express & Monitor
C-CWDMMUXDL4EM-49-55	1W LGX 4 Ch CWDM Mux and Demux, Duplex, 1491, 1511, 1531, 1551nm w/Express & Monitor
C-CWDMMUXDL4EM-51-57	1W LGX 4 Ch CWDM Mux and Demux, Duplex, 1511, 1531, 1551, 1571nm w/Express & Monitor
C-CWDMMUXDL4EM-53-59	1W LGX 4 Ch CWDM Mux and Demux, Duplex, 1531, 1551, 1571, 1591nm w/Express & Monitor
C-CWDMMUXDL4EM-55-61	1W LGX 4 Ch CWDM Mux and Demux, Duplex, 1551, 1571, 1591, 1611nm w/Express & Monitor
C-CWDMMUXDL8EM-47-61	1W LGX 8 Ch CWDM Mux and Demux, Duplex, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611nm w/Express & Monitor
C-CWDMMUXDL8EM3-47-61	1W LGX 8 Ch CWDM Mux and Demux, Duplex, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611nm w/Express, Monitor, & 1310
C-CWDMMUXSL8EM-47-61	1W LGX 8 Ch CWDM Mux or Demux, Simplex, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611nm w/Express & Monitor
C-CWDMMUXSL8EM3-47-61	1W LGX 8 Ch CWDM Mux or Demux, Simplex, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611nm w/Express, Monitor, & 1310
C-CWDMMUXSL18M-27-61	2W LGX 18 Ch CWDM Mux or Demux, Simplex, 1271, 1291, 1311, 1331, 1351, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611nm w/Express & Monitor



## CWDM Optical Add/Drop Multiplexers

Part Number	Description
C-CWDMODM2L1-1471	1W LGX 1 Ch CWDM OADM, Add and Drop E/W, 1471nm
C-CWDMODM2L1-1491	1W LGX 1 Ch CWDM OADM, Add and Drop E/W, 1491nm
C-CWDMODM2L1-1511	1W LGX 1 Ch CWDM OADM, Add and Drop E/W, 1511nm
C-CWDMODM2L1-1531	1W LGX 1 Ch CWDM OADM, Add and Drop E/W, 1531nm
C-CWDMODM2L1-1551	1W LGX 1 Ch CWDM OADM, Add and Drop E/W, 1551nm
C-CWDMODM2L1-1571	1W LGX 1 Ch CWDM OADM, Add and Drop E/W, 1571nm
C-CWDMODM2L1-1591	1W LGX 1 Ch CWDM OADM, Add and Drop E/W, 1591nm
C-CWDMODM2L1-1611	1W LGX 1 Ch CWDM OADM, Add and Drop E/W, 1611nm

## DWDM Mux/Demux Products

Part Number	Description
C-DWDM-MUXDL4EM-xx-yy	1W LGX, 4Ch DWDM Mux/Demux w/Express & Monitor, 100Ghz ITU C-Band
C-DWDM-MUXDL4EM3-xx-yy	1W LGX, 4Ch DWDM Mux/Demux w/Express, Monitor & 1310, 100Ghz ITU C-Band
C-DWDM-MUXDL8EM-xx-yy	1W LGX, 8Ch DWDM Mux/Demux w/Express & Monitor, 100Ghz ITU C-Band
C-DWDM-MUXDL8EM3-xx-yy	1W LGX, 8Ch DWDM Mux/Demux w/Express, Monitor & 1310, 100Ghz ITU C-Band
C-DWDM-MUXSL8EM-xx-yy	1W LGX, 8 Ch DWDM Single Fiber Mux or Demux Cartridge, w/Express, Monitor, & 100Ghz ITU C-Band
C-DWDM-MUXSL8EM3-xx-yy	1W LGX, 8 Ch DWDM Single Fiber Mux or Demux Cartridge, w/Express, Monitor & 1310, 100Ghz ITU C-Band
C-DWDM-MUXDL16EM-xx-yy	2W LGX, 16Ch DWDM Mux/Demux w/Express & Monitor, 100Ghz ITU C-Band
C-DWDM-MUXDL16EM3-xx-yy	2W LGX, 16Ch DWDM Mux/Demux w/Express, Monitor & 1310, 100Ghz ITU C-Band
C-DWDM-MUXSL16EM-xx-yy	2W LGX, 16 Ch DWDM Single Fiber Mux or Demux Cartridge, w/Express & Monitor 100Ghz ITU C-Band
C-DWDM-MUXSL16EM3-xx-yy	2W LGX, 16 Ch DWDM Single Fiber Mux or Demux Cartridge, w/Express, & Monitor & 1310, 100Ghz ITU C-Band

xx= Beginning ITU Channel, yy= Ending ITU Channel

## DWDM Optical Add/Drop Multiplexers

Part Number	Description
C-DWDM-ODM1L1E-xx-yy	1W LGX, 1 Ch DWDM Add or Drop, Duplex, with 1 wavelengths w/Express port
C-DWDM-ODM1L2E-xx-yy	1W LGX, 2 Ch DWDM Add or Drop, Duplex, with 1 wavelengths w/Express port
C-DWDM-ODM1L3E-xx-yy	1W LGX, 3 Ch DWDM Add or Drop, Duplex, with 1 wavelengths w/Express port
C-DWDM-ODM1L4E-xx-yy	1W LGX, 4 Ch DWDM Add or Drop, Duplex, with 1 wavelengths w/Express port
C-DWDM-ODM1SL1E-xx-yy	1W LGX, 1 Ch DWDM Add or Drop, Simplex, ITU C-Band
C-DWDM-ODM1SL2E-xx-yy	1W LGX, 2 Ch DWDM Add or Drop, Simplex, ITU C-Band
C-DWDM-ODM1SL3E-xx-yy	1W LGX, 3 Ch DWDM Add or Drop, Simplex, ITU C-Band
C-DWDM-ODM1SL4E-xx-yy	1W LGX, 4 Ch DWDM Add or Drop, Simplex, ITU C-Band

xx= Beginning ITU Channel, yy= Ending ITU 100GHz Channel



## LGX-Style Chassis

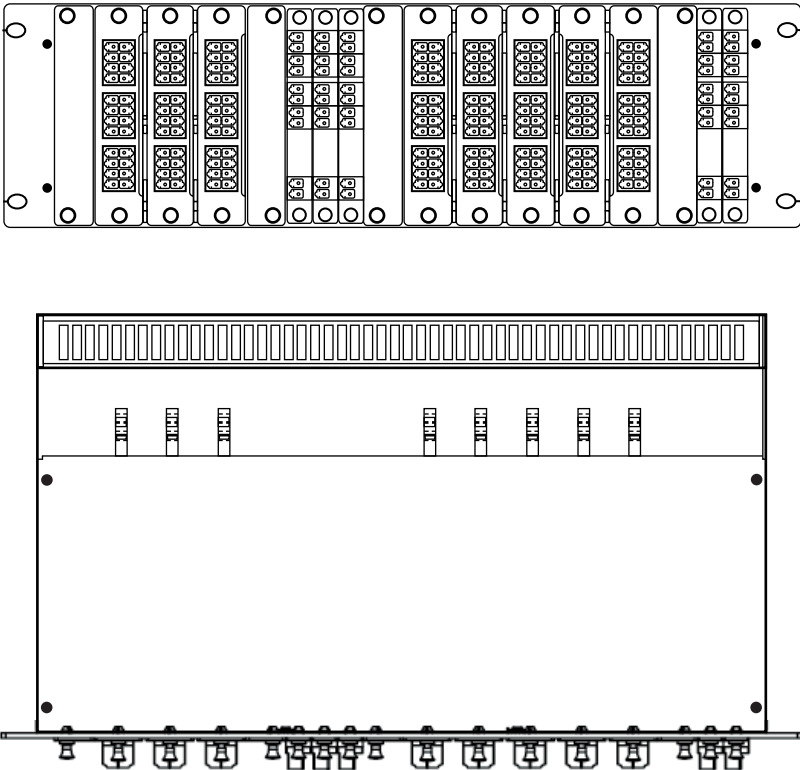
ProLabs offers small profile and higher density rack mount chassis for LGX-style modules.

### 1U Mounting Plate



1U Mounting Plate Dimensions:  
W: 19in (482.6mm)  
H: 1.72in (43.8mm)  
D: varies with LGX-Style Module

### 3U LGX Style Chassis



3U Chassis Dimensions:  
W: 19in (482.6mm)  
H: 5.23in (133mm)  
D: 9.84in (250mm)

Part Number	Description
CAS-LGX5-PLATE-1U	1U 3-slot 1W LGX Mounting Plate
CAS-1/2LGX5-PLATE-1U	1U 6-slot 1/2W LGX Mounting Plate
CAS-LM-CHASSIS-3U	3U 14-slot LGX-Style (28 1/2W) Chassis with rear cable management

## C) 19" Rack Mount - Non-Modular - Products

UPC LC adapters

Dimensions:

W: 19in (482.6mm)

H: 1.73in (44mm)

D: 13.38in (340mm)



Part Number	Description
C-DWDM-MUXDR20EM-20-39	20Ch DWDM 1U 19", Mux and Demux, Ch20 ~ Ch39, ITU 100GHz C-band w/Monitor and Express
C-DWDM-MUXDR20EM-21-40	20Ch DWDM 1U 19", Mux and Demux, Ch21 ~ Ch40, ITU 100GHz C-band w/Monitor and Express
C-DWDM-MUXDR20EM-40-59	20Ch DWDM 1U 19", Mux and Demux, Ch40 ~ Ch59, ITU 100GHz C-band w/Monitor and Express
C-DWDM-MUXDR20EM-41-60	20Ch DWDM 1U 19", Mux and Demux, Ch41 ~ Ch60, ITU 100GHz C-band w/Monitor and Express
C-DWDM-MUXSR20EM-20-39	20Ch DWDM 1U 19", Mux or Demux, Ch20 ~ Ch39, ITU 100GHz C-band w/Monitor and Express
C-DWDM-MUXSR20EM-21-50	20Ch DWDM 1U 19", Mux or Demux, Ch21 ~ Ch40, ITU 100GHz C-band w/Monitor and Express
C-DWDM-MUXSR20EM-40-59	20Ch DWDM 1U 19", Mux or Demux, Ch40 ~ Ch59, ITU 100GHz C-band w/Monitor and Express
C-DWDM-MUXSR20EM-51-60	20Ch DWDM 1U 19", Mux or Demux, Ch41 ~ Ch60, ITU 100GHz C-band w/Monitor and Express

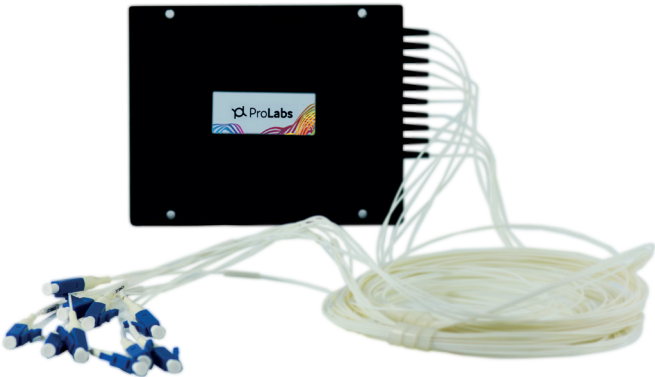


Part Number	Description
C-DWDM-MUXDR40M-20-59	40Ch DWDM 1U 19", Mux and Demux, Ch20 ~ Ch59, ITU 100GHz C-band w/Monitor
C-DWDM-MUXDR40M-21-60	40Ch DWDM 1U 19", Mux and Demux, Ch21 ~ Ch60, ITU 100GHz C-band w/Monitor
C-DWDM-MUXDR40M3-20-59	40Ch DWDM 1U 19", Mux and Demux, Ch20 ~ Ch59, ITU 100GHz C-band w/Monitor & 1310
C-DWDM-MUXDR40M3-21-60	40Ch DWDM 1U 19", Mux and Demux, Ch21 ~ Ch60, ITU 100GHz C-band w/Monitor & 1310
C-DWDM-MUXSR40M-20-59	40Ch DWDM 1U 19", Mux or Demux, Simplex, Ch20 ~ Ch59, ITU 100GHz C-band w/Monitor
C-DWDM-MUXSR40M-21-60	40Ch DWDM 1U 19", Mux or Demux, Simplex, Ch21 ~ Ch60, ITU 100GHz C-band w/Monitor
C-DWDM-MUXSR40M3-20-59	40Ch DWDM 1U 19", Mux or Demux, Simplex, Ch20 ~ Ch59, ITU 100GHz C-band w/Monitor & 1310
C-DWDM-MUXSR40M3-21-60	40Ch DWDM 1U 19", Mux or Demux, Simplex, Ch21 ~ Ch60, ITU 100GHz C-band w/Monitor & 1310

### 3) Field Multiplexers with Pigtailed

#### A) Compact Mux Package

Compact mux form factor is designed with a rugged ABS material enclosure to fit in wall boxes, cabinets, and other place in the network where passive multiplexing is required.



Compact Mux:  
 Rugged ABS plastic box  
 2M pigtailed with UPC LC connectors

Dimensions:  
 W: 3.93in (100mm)  
 H: 3.15in (80mm)  
 D: 0.39in (10mm)



## Ordering Information

Coarse Wavelength Division  
Multiplexers (CWDM)

Part Number	Description
C-CWDM-MUXDC2-xx-yy	Compact 2ch CWDM Mux and Demux Duplex, 2m pigtails, LC/UPC Connectors
C-CWDM-MUXDC4-xx-yy	Compact 4ch CWDM Mux and Demux Duplex, 2m pigtails, LC/UPC Connectors
C-CWDM-MUXDC8-xx-yy	Compact 8ch CWDM Mux and Demux Duplex, 2m pigtails, LC/UPC Connectorsw/Monitor
C-CWDM-MUXDC16-xx-yy	Compact 16ch CWDM Mux and Demux Duplex, 2m pigtails, LC/UPC Connectors
C-CWDM-MUXDC18-xx-yy	Compact 18ch CWDM Mux and Demux Duplex, 2m pigtails, LC/UPC Connectors
C-CWDM-MUXSC2-xx-yy	Compact 2ch CWDM Mux or Demux Simplex, 2m pigtails, LC/UPC Connectors
C-CWDM-MUXSC4-xx-yy	Compact 4ch CWDM Mux or Demux Simplex, 2m pigtails, LC/UPC Connectors
C-CWDM-MUXSC8-xx-yy	Compact 8ch CWDM Mux or Demux Simplex, 2m pigtails, LC/UPC Connectors
C-CWDM-MUXSC16-xx-yy	Compact 16ch CWDM Mux or Demux Simplex, 2m pigtails, LC/UPC Connectors
C-CWDM-MUXSC18-xx-yy	Compact 18ch CWDM Mux or Demux Simplex, 2m pigtails, LC/UPC Connectors

xx = beginning wavelength, yy = ending wavelength

Dense Wavelength Division  
Multiplexers (DWDM)

Part Number	Description
C-DWDM-MUXD2-xx-yy	Compact 2ch DWDM Mux and Demux Simplex, 2m pigtails, LC/UPC Connectors
C-DWDM-MUXD4-xx-yy	Compact 4ch DWDM Mux and Demux Simplex, 2m pigtails, LC/UPC Connectors
C-DWDM-MUXD8-xx-yy	Compact 8ch DWDM Mux and Demux Simplex, 2m pigtails, LC/UPC Connectors
C-DWDM-MUXD16-xx-yy	Compact 16ch DWDM Mux and Demux Simplex, 2m pigtails, LC/UPC Connectors
C-DWDM-MUXD18-xx-yy	Compact 18ch DWDM Mux and Demux Simplex, 2m pigtails, LC/UPC Connectors
C-DWDM-MUXS2-xx-yy	Compact 2ch DWDM Mux or Demux Simplex, 2m pigtails, LC/UPC Connectors
C-DWDM-MUXS4-xx-yy	Compact 4ch DWDM Mux or Demux Simplex, 2m pigtails, LC/UPC Connectors
C-DWDM-MUXS8-xx-yy	Compact 8ch DWDM Mux or Demux Simplex, 2m pigtails, LC/UPC Connectors
C-DWDM-MUXS16-xx-yy	Compact 16ch DWDM Mux or Demux Simplex, 2m pigtails, LC/UPC Connectors
C-DWDM-MUXS18-xx-yy	Compact 18ch DWDM Mux or Demux Simplex, 2m pigtails, LC/UPC Connectors

xx = beginning ITU Channel, yy = ending ITU Channel

## Field Mux Package

Single device DWDM Add/Drop multiplexers are suited for DWDM drop applications. The rugged stainless steel tube is water resistant, making it ideal for integration into splice trays.



Single Device  
Stainless steel tube package  
2m pigtails, no connectors

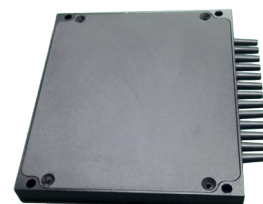
Dimensions  
L: 1.38in (35mm)  
Φ: 0.22in (5.5mm)

## Ordering Information

Part Number	Description
DMUX-1OADM-S-xx	Single Device OADM, DWDM, Bare Fiber with SS Tube
DMUX-1OADM-LT-xx	Single Device OADM, DWDM, 900um with SS Tube

## B) Splice Tray Insert Multiplexers

Splice tray insert multiplexers are purpose built for multiplexing or demultiplexing DWDM connections in the field. Splice tray inserts are easily installed in industry splice trays with standard consumables.



4Ch & 8Ch Multiplexers

Package: ABS Plastic  
Package Size: 40 x 45 x 9.5mm  
Pigtails: 2m 900micron pigtails  
16, 20, 40Ch

16Ch, 20Ch and 40Ch Multiplexers

Package Material: Aluminum  
Package Size: 85 x 75 x 8.5mm  
Pigtails: 2m 900micron

Part Number	Description
C-DWDM-MUXSS4EM-xx-yy	4Ch DWDM Splice Tray Insert Mux or Demux Simplex. w/Express and Monitor Port (Mon port UPC/LC connector), 2M pigtails
C-DWDM-MUXSS8EM-xx-yy	8Ch DWDM Splice Tray Insert Mux or Demux Simplex. w/Express and Monitor Port (Mon port UPC/LC connector), 2M pigtails
C-DWDM-MUXSS10EM-xx-yy	10Ch DWDM Splice Tray Insert Mux or Demux Simplex. w/Express and Monitor Port (Mon port UPC/LC connector), 2M pigtails
C-DWDM-MUXSS16EM-xx-yy	16Ch DWDM Splice Tray Insert Mux or Demux Simplex. w/Express and Monitor Port (Mon port UPC/LC connector), 2M pigtails
C-DWDM-MUXSS20EM-xx-yy	20Ch DWDM Splice Tray Insert Mux or Demux Simplex. w/Express and Monitor Port (Mon port UPC/LC connector), 2M pigtails
C-DWDM-MUXSS40M-xx-yy	40Ch DWDM Splice Tray Insert Mux or Demux Simplex. w/ Monitor Port (Mon port UPC/LC connector), 2M pigtails

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