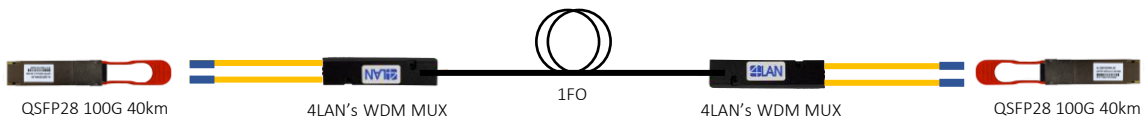


# 4L-MOW21Cxx-Sy

Mux OC WDM, ABS, 2Fx1F, 2x LC/UPC <> 1x SC.

## MUX WDM



## Applications

- High Capacity Single fiber links
- WDM system
- Ring Network
- Point To Point Network
- Optical Backbone
- High Demand Network
- Routing and Sensoring
- Dispersion compensation
- Other optical links

## Features

- Small size
- Doesn't need space on rack
- Low Insertion Loss
- High channel isolation & Return Loss
- LC/UPC connector
- Available for 1310 or 1550nm frequency

## Description

The **4L-MOW21Cxx-Sy** is a 4LAN passive WDM solution for dual fiber transceivers that will be used on a single fiber. This solution is ideal to increase the network capacity without high investment. 4LAN WDM uses high quality materials with ultra low intersection loss, this equipment is used to pass optical signal from a duplex/unidirectional into a single fiber.

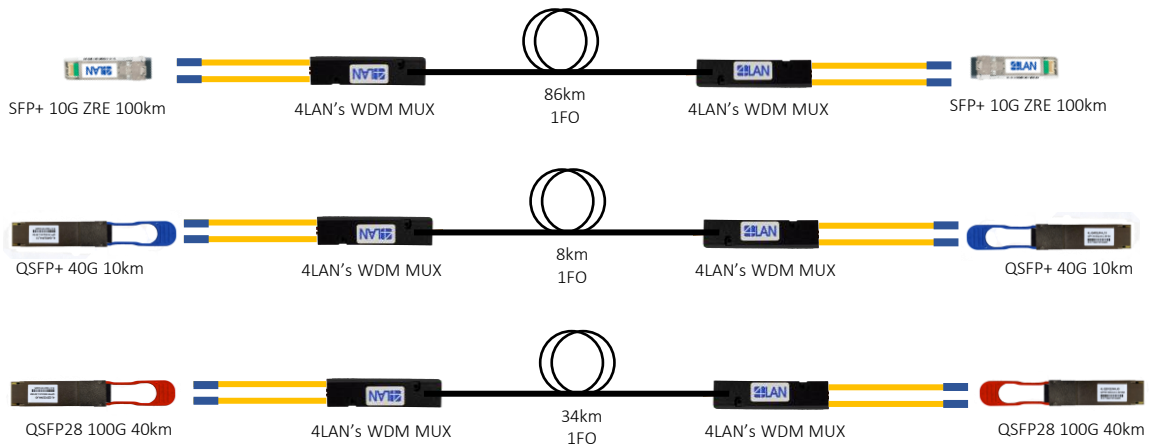
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## How 4LAN WDM MUX works?

The **4LAN Passive WDM MUX** solution uses a technology is used to route the light path to travel in only one direction from one port to another. Below you can find some examples of application for the **4L-MOW21Cxx-Sy** :

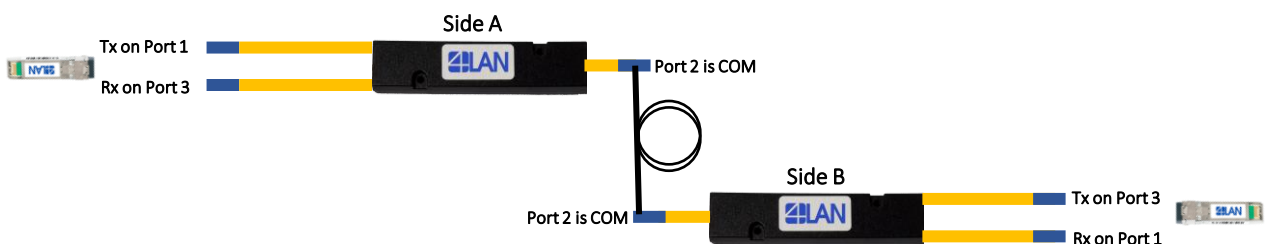


## How to install 4LAN's WDM MUX?

4LAN's WDM MUX is a passive solution very simple to use, completely plug-and-play and no need for an independent power supply.

Before you start clean all connectors (MUX WDM, transceivers, DIO). The transceivers must be connected according to the table and picture below to the MUX WDM work properly. If the loss between the two sites is too low, you must use an attenuator.

	Transceiver A	Transceiver B
Tx	(Tx)Port 1->Port 2	Port 2<-Port 3(Tx)
Rx	(Rx)Port 3<-Port 2	Port 2->Port 1 (Rx)



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## General Specifications

Parameter	4L-MOW21C31-Sy	4L-MOW21C55-Sy
Wavelength	1310nm	1550nm
Wavelength Accuracy	±20nm	
Insertion Loss	≤0.8dB	
Polarization Dependent Loss (PDL)	≤0.15 dB	
Polarization Mode Dispersion (PMD)	≤0.10 dB	
Isolation (2-1, 3-2 all states of polarization)	≥45 dB	
Directivity	≥50 dB	
Return Loss	≥50 dB	
Power handling(CW)	≤500 mW	
Pigtail length	1.0 m	
Connectors	LC or SC	
Polish	UPC or APC	
Operating Temperature	-0°C~+70°C	
Storage Temperature	-40°C ~ +85°C	

Specification doesn't include connectors, with connectors IL is 0.3dB higher, and RL is 5dB lower per connector.

## Ordering Information

### WDM MUX BOX

Part Number	Description
4L-MOW21C31-SA	Mux OC WDM, ABS, 2Fx1F, Ch 1310nm, LC/UPC <>SC/APC.
4L-MOW21C31-SU	Mux OC WDM, ABS, 2Fx1F, Ch 1310nm, LC/UPC <>SC/UPC.
4L-MOW21C55-SA	Mux OC WDM, ABS, 2Fx1F, Ch 1550nm, LC/UPC <>SC/APC.
4L-MOW21C55-SU	Mux OC WDM, ABS, 2Fx1F, Ch 1550nm, LC/UPC <>SC/UPC.

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