



FEATURES:

- One slot card/module designs
- Available for use with singlemode fiber
- ST or FC optical connectors
- Hot swappable cards

DESCRIPTION:

This CX-2x1-x (MUX/ DEMUX) and CX-1x2-x (DEMUX / MUX) module is Bi-directional Optical Multiplexer/De-multiplexer and will convert from two FP lasers or CWDM lasers wavelength to Multiplexed 1290nm - 1350nm or 1510nm - 1530nm range (MUX), or opposite direction (DEMUX) from Multiplexed 1290nm - 1350nm or 1510nm - 1530nm range signal to two FP lasers or CWDM lasers wavelength. This unit is compatible with all Meridian products as well as many other fiber transmission products in the market.

Note: User can select Wavelength and Data Rate at the time of ordering.

MARKETS:

- ✓ Security and surveillance
- ✓ Fiber protection systems
- ✓ AV & Broadcast systems
- ✓ Access Control
- ✓ Video /Audio distribution & transport systems
- ✓ Intelligent transportation systems (ITS)

Optical

Data Rate	155/1250/4250 Mb/s
Optical In/Out range	1270nm - 1610nm

Power

Card	4W
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Physical

Card	one slot card
Dimensions	20 (W) x 127 (H) x 160 (D) mm (0.8 x 5.0 x 6.3 inch)
Weight	~ 550 grams (1.2 lb.)
No. of Slots	1
Module	See SR-500 Brochure

Environmental

Operating Temperature	-20°C to +74°C
Storage Temperature	-40°C to ~+85°C
Relative Humidity	0 to 95% Non-condensing

Meridian Optical code	Description
3	SM, 1310nm FP Laser
4	SM, 1550nm FP Laser
7	SM, 1550nm DFB Laser
9	SM, 1310nm DFB Laser
20	SM, 1290nm - 1350nm optical range DFB Laser
21	SM, 1510nm - 1530nm optical range DFB Laser
CWDM**	1270nm - 1610nm CWDM DFB Lasers**

2 Channel CWDM Bi-directional Optical Multiplexer/De-multiplexer

DIAGRAM FOR CX-2x1-x MUX/DEMUX *

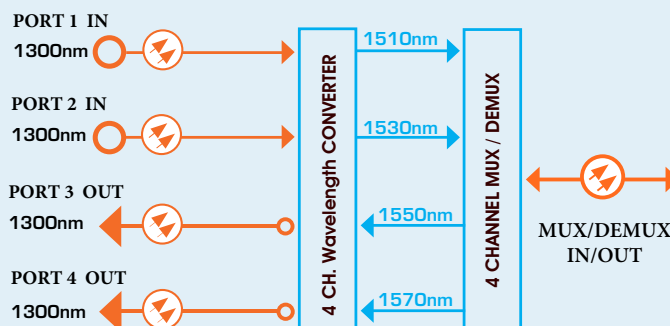
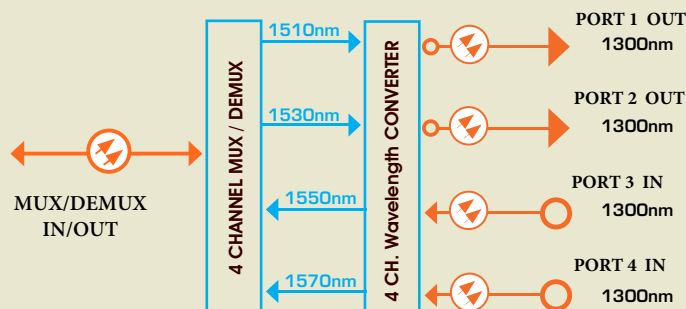


DIAGRAM FOR CX-1x2-x DEMUX/MUX *

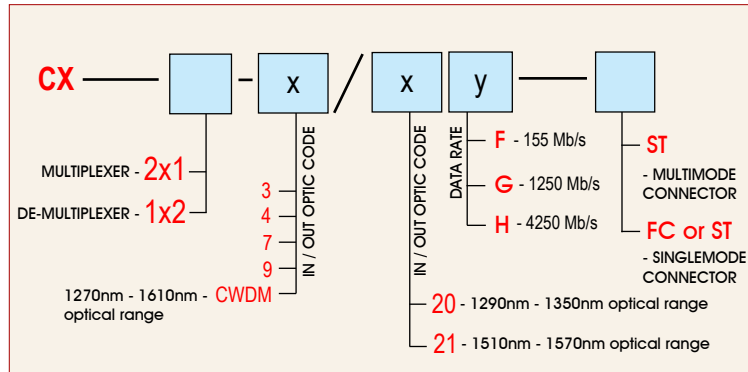


* Diagrams shown for Singlemode 1310 nm FP Laser option

CONFIGURATIONS:

This CX-2x1-x and CX-1x2-x product is available as rack mount card or stand-alone module that can be installed in any of Meridian's desk chassis or in our standard 19" racking frames. This product can be converted to stand-alone module by utilizing SR-500 series chassis.

PART NUMBER DIAGRAMS



** See Meridian's Part Number Guide for CWDM Lasers details