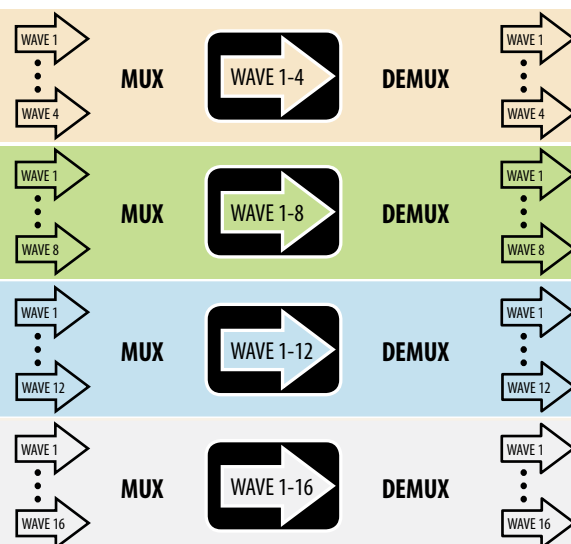
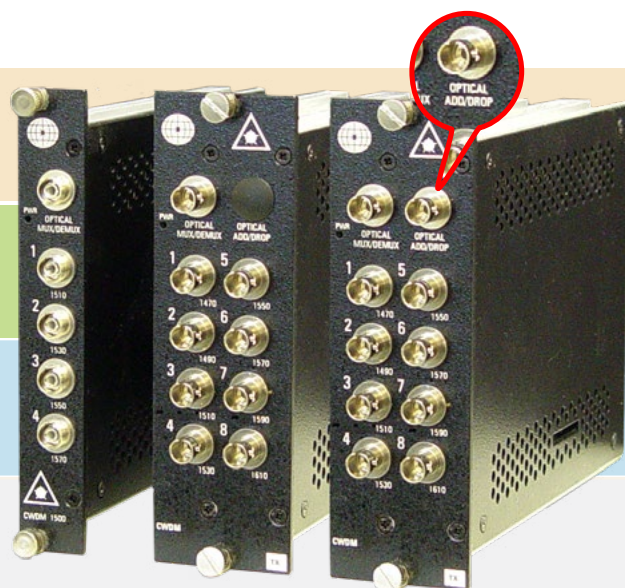


From 4 to 16 Channels Optical Multiplexer / Demultiplexer



FEATURES:

- One Slot (CD-4-x) or Two Slot (CD-8-x & CD-8-xX) Rack Card Design
- Add / Drop Port option for eXpansion to 12 or 16 Channels
- Passive Optical Multiplexer/demultiplexer for Single-mode Systems
- ST, FC Optical Connector
- Hot Swappable Cards
- Compatible with both Uni-directional and Bi-directional CWDM signals

MARKETS:

- ✓ Intelligent transportation systems (ITS)
- ✓ Video / Audio / Data Transport systems
- ✓ Security and surveillance
- ✓ Video Conferencing

DESCRIPTION:

These products are all passive optical Multiplexers/Demultiplexers, available in combinations from 4 to 16 channels. Four and Eight channel cards are basic units in any combination, will combine or separate 4 or 8 individual wavelengths respectively to provide optical multiplexing over one singlemode fiber. Add/Drop expansion port on CD-8-xX unit is used for connection to an additional 4 or 8-channel optical Multiplexer/Demultiplexer (up to 16-channels total). All units are compatible with other Meridian's CWDM digital products.

CONFIGURATIONS:

The CD-n-x products are available as rack mount cards and modules that can be installed in any of Meridian's desk chassis or in 19" racking frames. These systems can be transformed in to standalone modules by utilizing Meridian's wall/desk chassis.

CD-4-20		CD-4-21	
Input / Output 1	1270nm	Input / Output 1	1510nm
Input / Output 2	1290nm	Input / Output 2	1530nm
Input / Output 3	1310nm	Input / Output 3	1550nm
Input / Output 4	1330nm	Input / Output 4	1570nm

CD-8-22, CD-8-22X		CD-8-23	
Input / Output 1	1270nm	Input / Output 1	1470nm
Input / Output 2	1290nm	Input / Output 2	1490nm
Input / Output 3	1310nm	Input / Output 3	1510nm
Input / Output 4	1330nm	Input / Output 4	1530nm
Input / Output 5	1350nm	Input / Output 5	1550nm
Input / Output 6	1370nm	Input / Output 6	1570nm
Input / Output 7	1390nm	Input / Output 7	1590nm
Input / Output 8	1410nm	Input / Output 8	1610nm

CD-12-24			CD-16-25		
CD-8-22X	Input / Output 1	1270nm	CD-8-22X	Input / Output 1	1270nm
	Input / Output 2	1290nm		Input / Output 2	1290nm
	Input / Output 3	1310nm		Input / Output 3	1310nm
	Input / Output 4	1330nm		Input / Output 4	1330nm
	Input / Output 5	1350nm		Input / Output 5	1350nm
	Input / Output 6	1370nm		Input / Output 6	1370nm
	Input / Output 7	1390nm		Input / Output 7	1390nm
	Input / Output 8	1410nm		Input / Output 8	1410nm
CD-4-21	Input / Output 1	1510nm	CD-8-23	Input / Output 1	1470nm
	Input / Output 2	1530nm		Input / Output 2	1490nm
	Input / Output 3	1550nm		Input / Output 3	1510nm
	Input / Output 4	1570nm		Input / Output 4	1530nm
				Input / Output 5	1550nm
				Input / Output 6	1570nm
				Input / Output 7	1590nm
				Input / Output 8	1610nm

SPECIFICATIONS:

Optical								
Unit	CD-4-x		CD-8-x		CD-12-x		CD-16-x	
Insertion Loss	1.5 dB		2 dB		3 dB		3.5 dB	
Isolation	>20 dB		>20 dB		>20 dB		>20 dB	
Return Loss	>30 dB		>30 dB		>30 dB		>30 dB	
Optical Band	Optic code	Wavelength	Optic code	Wavelength	Optic code	Wavelength	Optic code	Wavelength
	20	1270/1290/1310/1330 nm	22	1270/1290/1310/1330/1350/1370/1390/1410 nm	24	1270/1290/1310/1330/1350/1370/1390/1410/1510/1530/1550/1570 nm	25	1270/1290/1310/1330/1350/1370/1390/1410/1470/1490/1510/1530/1550/1570/1590/1610 nm
	21	1510/1530/1550/1570 nm	23	1470/1490/1510/1530/1550/1570/1590/1610 nm				

Connectors	
Optical	FC - SM fiber (default), ST - MM fiber (default)
Power	None - passive

Physical		
Card	One slot card	Two slot card
Dimensions	160 mm (6.3") L, 127 mm (5") H, 20mm (0.80") W	160 mm (6.3") L, 127 mm (5") H, 44 mm (1.7") W
Weight	~ 450 grams (16 Oz.)	~ 550 grams (19.4 Oz.)
No. of Slots	1	2
Module	See SR-500 Brochure	See SR-1002 Brochure

Environmental	
Operating Temperature	-34°C to +74°C
Storage Temperature	-40°C to ~ +85°C
Relative Humidity	0 to 95% Non-condensing

Quality	
MTBF	>170,000 hours (35°C per MIL 217F) 35°C per MIL217F

Part Numbers:

