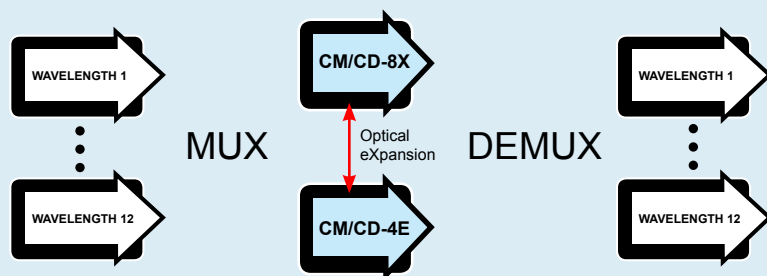


12 and 16 Channels Optical Multiplexer / Demultiplexer



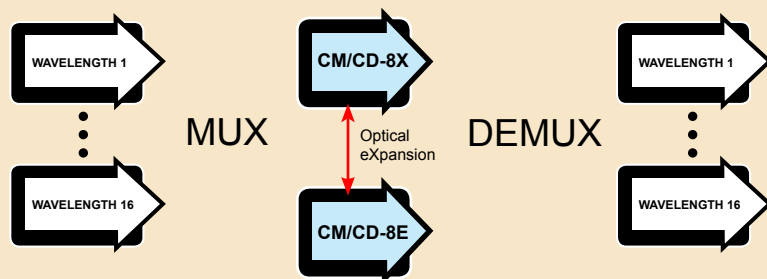
CM/CD-8X

CM/CD-4E



CM/CD-8X

CM/CD-8E



FEATURES:

- Three slots (CM/CD-12) or Four slot (CM/CD-16) rack card design
- Passive optical multiplexer/demultiplexer for singlemode systems
- ST, FC Optical Connector
- Hot Swappable Cards
- Compatible with both uni-directional and bi-directional CWDM signals

CONFIGURATIONS:

The CM/CD products is available as rack mount cards and modules that can be installed in any of Meridian's desk chassis or in 19" racking frames.

MARKETS:

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

DESCRIPTION:

This modules in the CM/CD products are all-passive, optical multiplexer/demultiplexers.

CM/CD-12 and CM/CD-16 units are combinations of : CM/CD-8X plus CM/CD-4E modules and CM/CD-8X plus CM/CD-8E modules respectively, utilizing an Optical Add/Drop expansion port for connecting the additional multiplexer/demultiplexer unit.

Each unit either combines or separates 12 or 16 individual wavelengths respectively to provide optical multiplexing over a one singlemode fiber. These units are compatible with the most of Meridian's CWDM digital products.

CM/CD-12 & CM/CD-16 products will combine or separate following optical wavelengths:

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

SPECIFICATIONS:

Optical

Insertion Loss	2.0 dB (12-chan.)
	3.0 dB (16-chan.)
Isolation	> 20 dB
Return Loss	> 30dB
Wavelength CM/CD-12 unit	
CM/CD-8X	1470/1490/1510/1530/1550/1570/
+	1590/1610 nm
CM/CD-4E	1270/1290/1310/1330 nm
Wavelength CM/CD-16 unit	
CM/CD-8X	1270/1290/1310/1330/1350/
+	1370/1390/1410 nm
CM/CD-8E	1470/1490/1510/1530/1550/
	1570/1590/1610 nm

Connectors

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

Quality

MTBF	>170,000 hours @ Ground Fix
	35°C per MIL217F

Physical

Dimensions (CM/CD-4 Card)...	160 mm (6.3") L, 127 mm (5") H
	20mm (0.80") W
Weight (Card)	450 gms (16 Oz)
No. of Slots	1
Module	See SR-500 Brochure
Dimensions (CM/CD-8 Card)...	160 mm (6.3") L, 127 mm (5") H
	44 mm (1.7") W
Weight (Card)	550 gms (19.4 Oz)
No. of Slots	2
Module	See SR-1000 Brochure

Enviromental

Operating Temperature ...	-20°C to +70°C
Storage Temperature	-55°C to +85°C
Relative Humidity	0 to 95% Non-condensing

Part Numbers:

