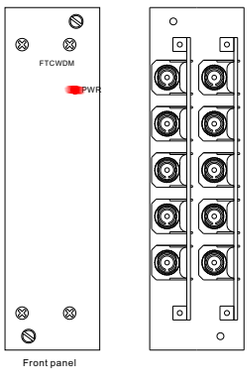
FT-CWDM

Coarse Wavelength Division Module



Front panel

Features

General

- FC or ST optical connector
- 9 different common CWDM wavelengths available
- Additional reverse wavelengths are used when reverse data, audio and contact closure are required
- Chassis mount structure, compatible with FT-C18
- Passive Optical module, no power required

Warranty

- Comprehensive Lifetime Warranty

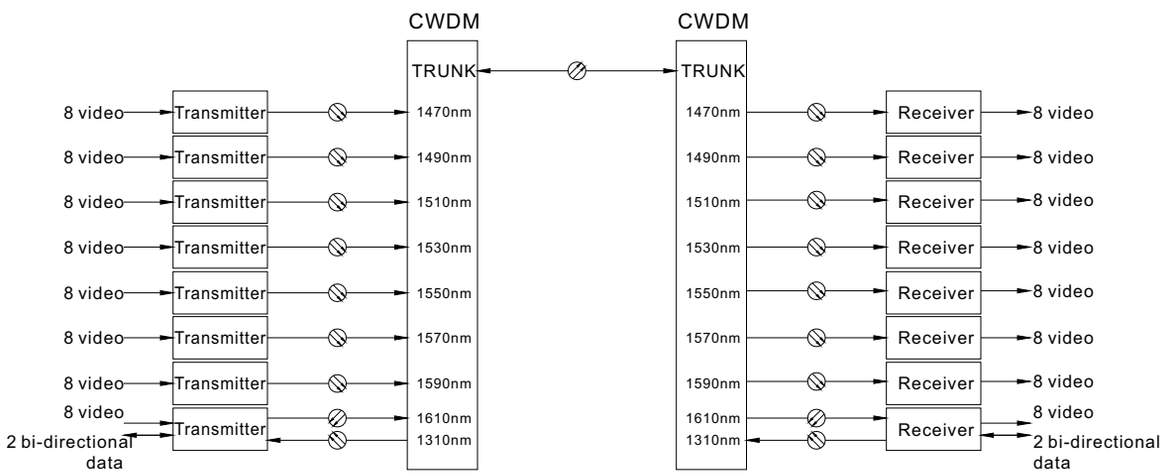
Video Transmission

Description

The FT-CWDM series supports up to 64 channels of video and optical data, audio and contact closure signals in either direction on a single fiber.

It provides a flexible solution for the transmission of complicated signals in limited fiber situations.

Typical Application



Specifications

CWDM Wavelength (nm)

X=2	1550, 1570
X=4	1510, 1530, 1550, 1570
X=6	1510, 1530, 1550, 1570, 1590, 1610
X=8	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610
Reverse	1310

Optical Insertion Loss

T module	=< 3.0dB
R module	=< 3.0dB
T and R pair	=< 5.5dB
Resverse 1310nm	=< 1.5dB

Channel Isolation

Trunk Port	>30 dB

Electrical and Mechanical

Dimensions(WxHxD)	148 x 20.4 x 213mm (1 slot) 148 x 40.8 x 213mm (2 slot)
Shipping Weight	0.5kg (Max)
No. of rack slots	1 / 2

Environmental

Operating Temp	-40°C to +75°C
Storage Temp	-40°C to +85°C
Relative Humidity	0 to 95% non-condensing
MTBF	> 100,000 hours

Ordering Information

Fiber Type	Part Number	Description	Wavelengths (nm)	Optical Power Budget (dB)	Max. Distance (Km)	No. of slots
N/A	**FT-CWDM-TX**	X Channel Optical CWDM module Transmitter				
	FT-CWDM-TXR	X Channel Optical CWDM module Transmitter with Reverse Wavelength Tap module				
	FT-CWDM-RX	X Channel Optical CWDM module Receiver				
	FT-CWDM-RXR	X Channel Optical CWDM module Receiver with Reverse Wavelength Tap module				

Options	▪ X denotes the number of different forward wavelengths used in CWDM
Rack Mount Chassis	▪ FT-C18 is to be purchased separately. Please refer to accessories section for the details.

Notes:
- Transmission distance will suffer if additional losses are introduced by the optical connectors, fusions, splices and the fibers within the network.
- Please feel free to consult factory for any special requirement and customization.

OT Systems Ltd., November 2013
Due to continuous improvement, all product specifications are subject to change without further notice.