

## 4 Channel CWDM Multiplexers / Demultiplexers

- Send / receive up to 4 channels over a single fiber link
- Passive operation (no power required)
- Combine all four modules for up to 16 channels
- LC/PC single mode optical connections
- Optional 1/2 RU 19" rack frame

The **OCM 1841, OCM 1842, OCM 1843, OCM 1844** are compact CWDM passive 4 channel optical multiplexers / demultiplexers designed to send and receive up to 4 individual signals over a single fiber link. Each module has an UPG (Upgrade) port to cascade into the other 4 channel modules, expanding the capability of the system to a maximum of 16 channels.

The modules can be used standalone or integrated into the optional RFR 1018 1/2 RU 19" rack frame, which can accommodate all four modules. Ideal for system installations.

Ideally suited for use with the CWDM yellobrik fiber modules (all 16 wavelengths are available).

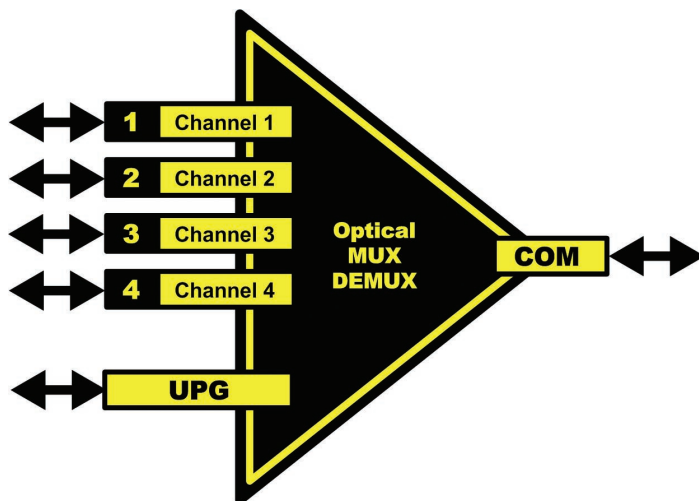


OCM 1841 shown above

### Technical Specifications

<b>Optical I/O</b>	4 x Fiber Optic I/O channels Center frequencies taken from ITU-T G.694.2 <b>OCM 1841</b> = 1270,1290,1310,1330nm <b>OCM 1842</b> = 1350,1370,1390,1410nm <b>OCM 1843</b> = 1470,1490,1510,1530nm <b>OCM 1844</b> = 1550,1570,1590,1610nm
	1 x COM (common) connection = multiplexed I/O
	1 x UPG (Upgrade) I/O connection (pass band connection to other OCM 189x modules)
	LC/PC connectors SMF (single mode)
	Channel Insertion loss: 2.7dB UPG Insertion loss: 2.7dB
	Polarization dependant loss: max 0.2dB
	Return Loss: > 45dB
	Isolation (to adjacent channel): > 30dB
	Directivity > 55dB
	Temp. dependant loss: < 0.005dB/°C
	Temp. dependant change of wavelength: < 0.003nm/°C
	Max. input power: 500mw
	Single or full duplex operation
<b>Power</b>	None required (passive operation)
<b>Size</b>	L: 110mm x W: 100mm x H:19mm (4.33" x 3.93" x 0.75")
<b>Model #</b>	OCM 1841, OCM 1842, OCM 1843, OCM 1844

Model	Channel 1	Channel 2	Channel 3	Channel 4
<b>OCM 1841</b>	1270nm	1290nm	1310nm	1330nm
<b>OCM 1842</b>	1350nm	1370nm	1390nm	1410nm
<b>OCM 1843</b>	1470nm	1490nm	1510nm	1530nm
<b>OCM 1844</b>	1550nm	1570nm	1590nm	1610nm



Specifications subject to change