

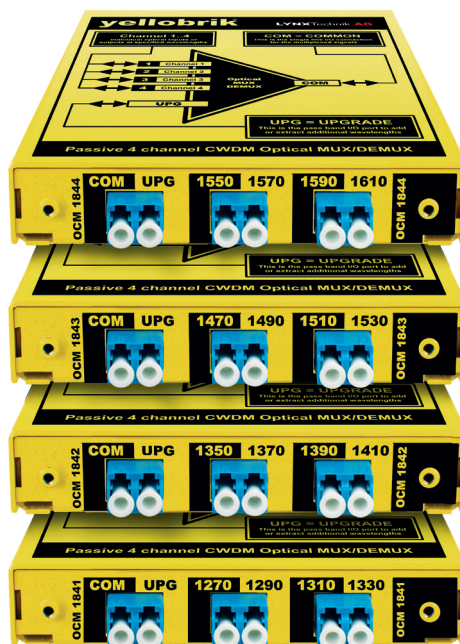
4 Channel CWDM Multiplexers / Demultiplexers

- 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 (RFR 1018)

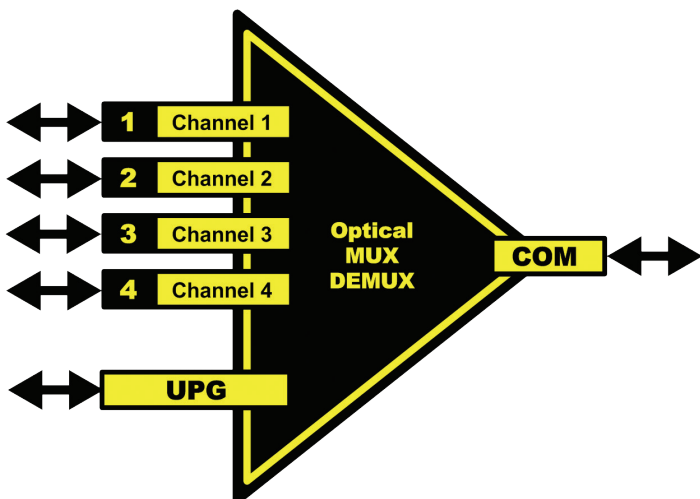
The **OCM 1841, OCM 1842, OCM 1843, OCM 1844** are compact CWDM passive 4 channel optical multiplexers / demultiplexers designed to send and receive up to 4 individual signals over a single fiber link. Each module has an UPG (Upgrade) port to cascade into the other 4 channel modules, expanding the capability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



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



Technical Specifications

Optical I/O	4 x Fiber Optic I/O channels Center frequencies taken from ITU-T G.694.2 OCM 1841 = 1270,1290,1310,1330nm OCM 1842 = 1350,1370,1390,1410nm OCM 1843 = 1470,1490,1510,1530nm OCM 1844 = 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
Power	None required (passive operation)
Physical	Size: 120mm x 100mm x 18mm (4.72" x 3.93" x 0.75") Weight: 140g (4.9oz)
Model #	OCM 1841 - (EAN# 4250479319417) OCM 1842 - (EAN# 4250479319424) OCM 1843 - (EAN# 4250479319431) OCM 1844 - (EAN# 4250479319448)
Includes	Module

Specifications subject to change