

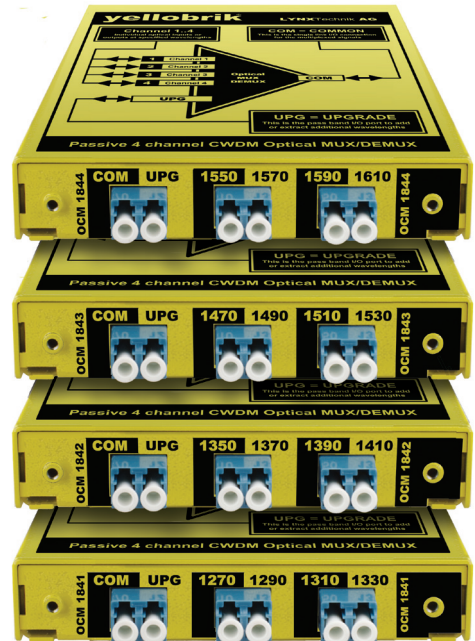
4 Channel CWDM Multiplexers / Demultiplexers

- 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

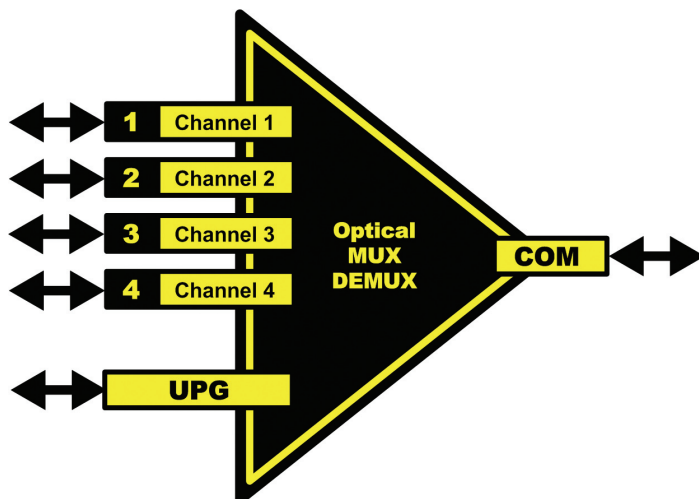
The **OCM 1841, OCM 1842, OCM 1843, OCM 1844** are compact CWDM passive 4 channel optical multiplexers / demultiplexers designed to send and receive up to 4 individual signals over a single fiber link. Each module has an UPG (Upgrade) port to cascade into the other 4 channel modules, expanding the capability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



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

Specifications subject to change