

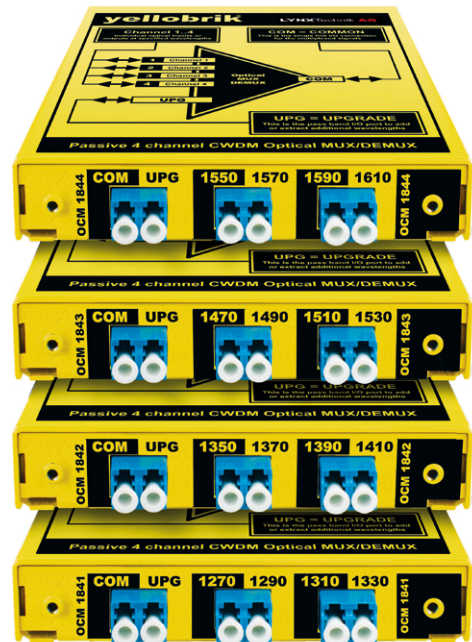
4 Channel CWDM Multiplexers / Demultiplexers

- 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)

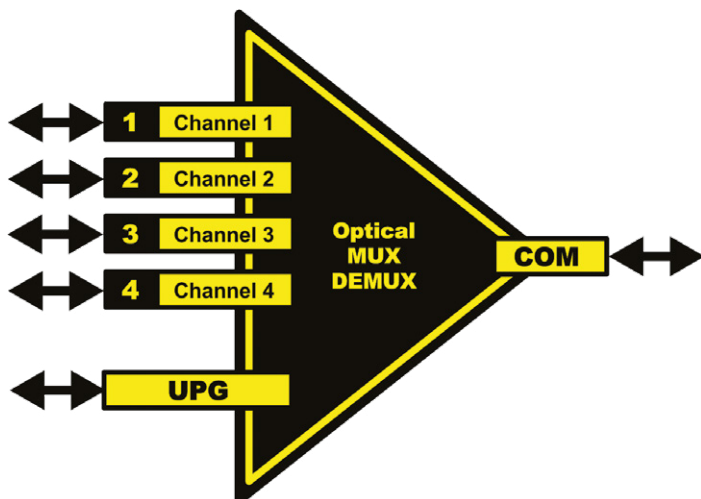
The **OCM 1841, OCM 1842, OCM 1843, OCM 1844** are compact CWDM passive 4 channel optical multiplexers / demultiplexers designed to send and receive up to 4 individual signals over a single fiber link. Each module has an UPG (Upgrade) port to cascade into the other 4 channel modules, expanding the capability 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: 1dB

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: L: 100mm (3.93") x W: 110mm(4.33") x H: 19mm(0.75") excl. connectors
L: 100mm (3.93") x W: 130mm(5.12") x H: 19mm(0.75") incl. connectors
Weight: 140g (4.9oz)

Model

OCM 1841 - (EAN# 4250479319417)
OCM 1842 - (EAN# 4250479319424)
OCM 1843 - (EAN# 4250479319431)
OCM 1844 - (EAN# 4250479319448)

Includes

Module

Rev-08 Specifications subject to change