

IQCWM16

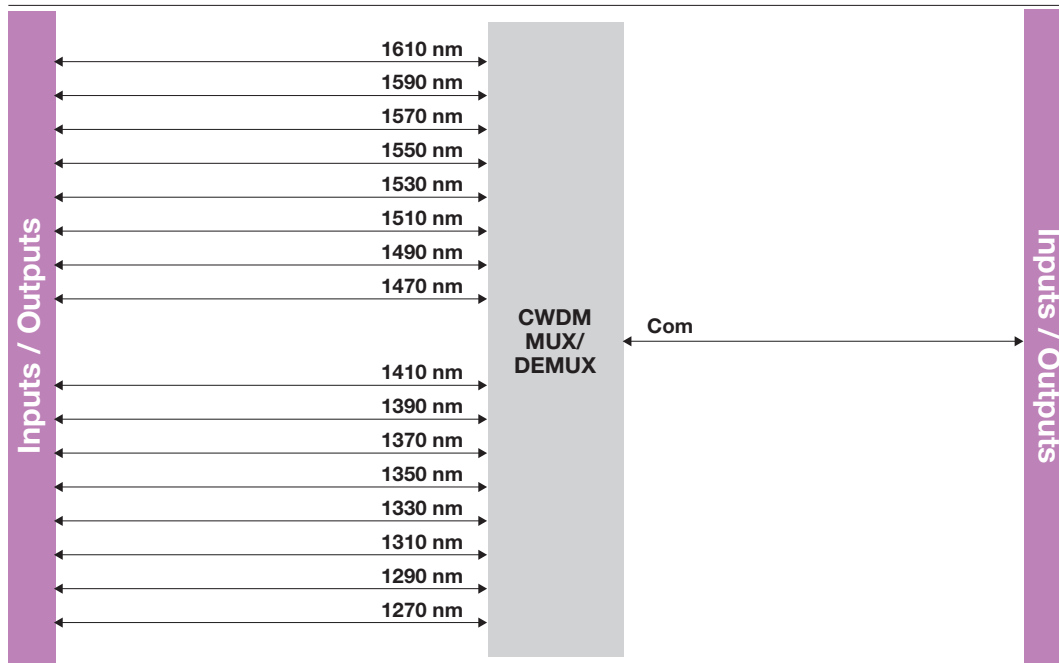
Fiber Optic Coarse Wave Division Multiplexing Module

Passive bidirectional multiplexer/demultiplexer module for use with the IQOTX80, IQORX80 and IQOTR40 series of Fiber Optical Conversion modules.

The IQCWM16 from Grass Valley is an optical Coarse Wave Division multiplexer/demultiplexer module. Occupying just a single slot of an IQ modular frame, the CWDM optical block itself is a completely passive device and there are no other active components on the fully assembled module. The IQCWM16 is intended for use with the IQOTX80, IQORX80 and IQOTR40 series of Fiber Optical Conversion modules. Connection to all ports are made at the rear of the module using standard LC receptacles.

The IQCWM16 features 17 bi-directional optical paths (16 dedicated wavelengths + Common). The 16 dedicated wavelength paths are split into two groups which are separated from the 'Common' port by an optical splitting filter.

Wavelengths for the first group of eight channels extends from 1610 nm to 1470 nm and 1410 nm to 1270 nm for the second group.



SPECIFICATIONS

Signal Inputs/Outputs

IQCWM16 Optical

- 1 x Common
- 1 x 1270 nm
- 1 x 1290 nm
- 1 x 1310 nm
- 1 x 1330 nm
- 1 x 1350 nm
- 1 x 1370 nm
- 1 x 1390 nm
- 1 x 1410 nm
- 1 x 1470 nm
- 1 x 1490 nm
- 1 x 1510 nm
- 1 x 1530 nm
- 1 x 1550 nm
- 1 x 1570 nm
- 1 x 1590 nm
- 1 x 1610 nm

Connector/format: LC singlemode

Controls

- Card Edge Controls:** NONE
- Card Edge Indicators:** NONE

General Specifications

- Connector Type: LC
- Insertion Loss: < 5 dB
- Channel Spacing: 20 nm
- Pass band @ 0.5 dB ≥ 14 nm
- Isolation: > 30 dB
- Directivity: > 50 dB
- Return Loss: > 45 dB

Power Consumption

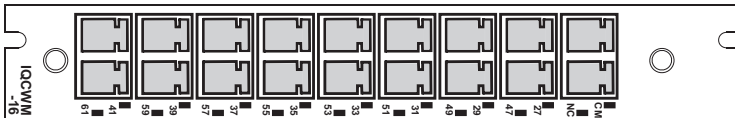
Module power consumption: No power requirement as passive module design

Note: This module can only be installed in IQH3A, IQH3B, IQH4B, IQH1A or IQH1P enclosures. As the card is fitted from the rear of the enclosure at least 435 mm clearance is required behind the enclosure installation

ORDERING

IQCWM1600-1A

17-port Fiber CWDM module. 17 bidirectional fiber connections (LC/PC), Common plus 1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610 nm optical wavelengths.



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