

NETWORK CUBE

> CWDM-MUX-4 40G HD Module

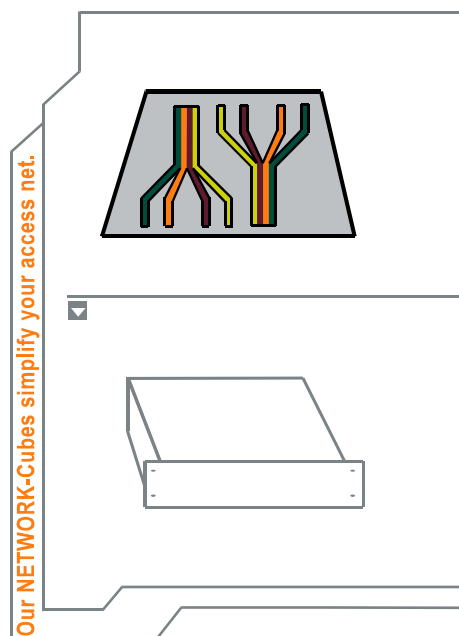
C-2474_Rev.A

Product Description

- Passive WDM module for integration in one slot of the CUBO NETWORK CUBE WDM-Modular-Shell (C-2169).
- The module contains two pieces of 4 channel CWDM multiplexers.
- The CWDM multiplexers to multiplex and de-multiplex 4 CWDM channels with 20nm CWDM channel spacing.
- The CWDM multiplexers are compliant according to 40Gbps IEEE 802.3ba standard.
- The system interoperates with any router, switch, DSLAM, SFP and GBIC, which supports the IEEE 802.3ba standard.

- Product Description: NETWORK CUBE CWDM-MUX-4 40G HD Module
- Product Code: C-2474
- Connector Code: -XY (choose from table)
- Revision Level: -Rev.A

Example Order Code: C-2474-33-Rev.A for a 40G CWDM module with SC/APC on all ports



Our NETWORK-Cubes simplify your access net.

(X) Common ports (Y) CWDM ports	Code
SC/PC	1
SC/APC	3
LC/PC	5
LC/APC	B

Revision History

No.	Description	Date	Created by
A	Initial release	17.09.13	Islah Touhtouh

NETWORK CUBE

> CWDM-MUX-4 40G HD Module

C-2474_Rev.A

General Specifications

Operating Temperature	+0°C to +70°C	
Storage Temperature	-40°C to +80°C	
Max. optical Power	< 250 mW	
Fiber Type	SMF-28 compatible	Ø 9 / 125 / 250µm
Optical Adapters	to be selected by customer via order code	
All ports		

Optical Performance

Number of channels	4	
Operating Channel	1271; 1291; 1311; 1331nm	
Channel Width	> 13nm	
Insertion Loss	max¹ < 1.9 dB	
Isolation	Max	
WDM adjacent channel	> 30 dB	
WDM non-adjacent channel	> 40 dB	
Isolation Spectral Range	1260-1460nm	
Optical Return Loss	> 45 dB (for the component, also depends on connectors)	
Directivity	> 50 dB	
Polarization Dependent Loss	< 0.2 dB	

Notes:

1. Max. insertion loss over channel bandwidth, valid over full operating temperature range and all states of polarization with optical connectors. The typical connector loss is 0.4 dB for a pair of connectors.

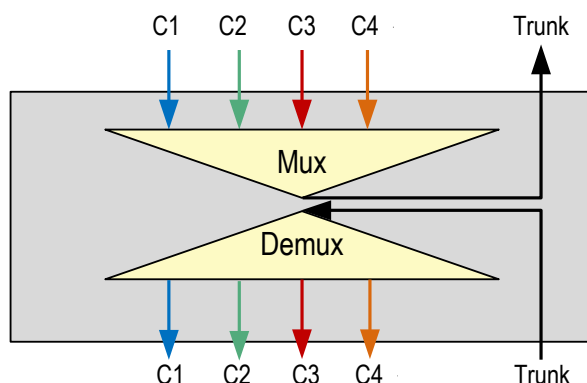
NETWORK CUBE

> CWDM-MUX-4 40G HD Module

C-2474_Rev.A

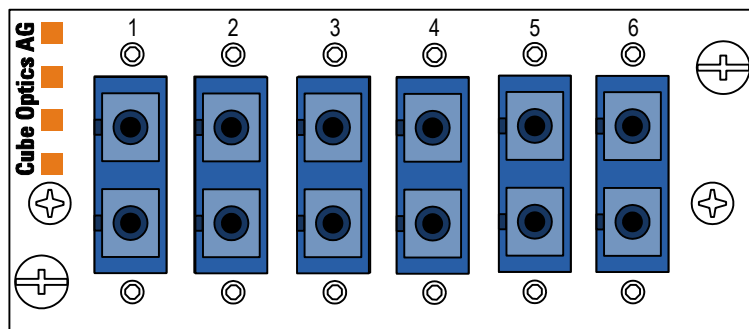
Package Dimensions and Front Plate design

Logical setup:



Connection Scheme:

- The ports are marked with “01”, “02”, “03”....
- Actual port assignment displayed on a label on the top side of the housing.
- All ports are equipped with adapters as defined by customer via order code.



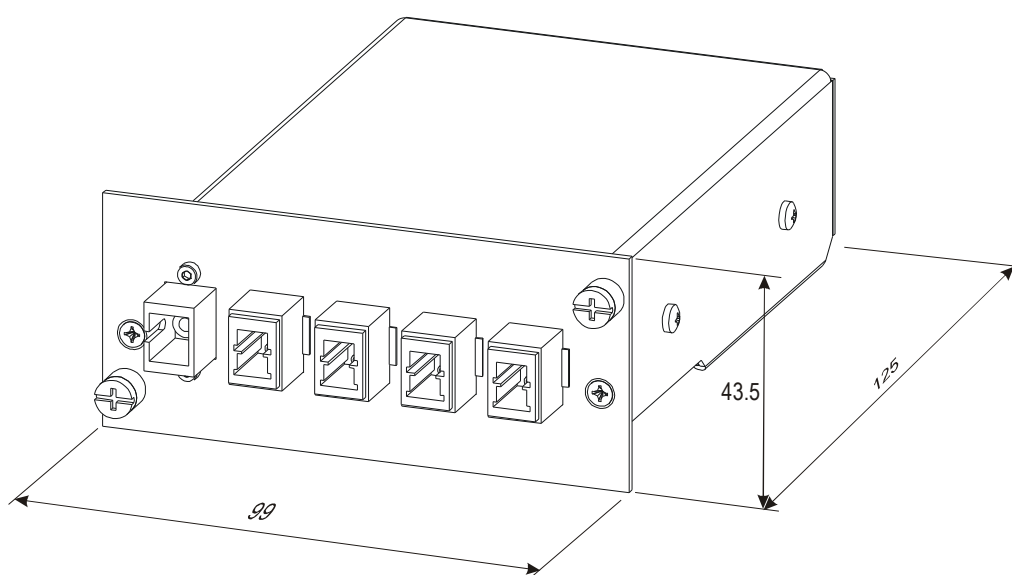
Please, note that the actual layout depends on the chosen connector type as well as other factors. However, the principal scheme stays the same.

NETWORK CUBE > CWDM-MUX-4 40G HD Module

C-2474_Rev.A

Layout and dimensions

- Width: 99 mm
- Height: 43.5 mm
- Depth: 125 mm
- The color of the module is light gray (color code RAL7035)
- All fonts and labels are printed in black



Please, note that the displayed image only shows the physical dimensions and does not necessarily correspond to the specific configuration of the module!

Corporate Office:

Cube Optics AG
Robert-Koch-Strasse 30
55129 Mainz
Germany

Fon: +49-6131-69851-0
Fax: +49-6131-69851-79
e.mail: sales@cubeoptics.com

www.cubeoptics.com

4/4

All information contained herein is believed to be accurate and is subject to change without notice. No responsibility is assumed for its use. Cube Optics AG, its subsidiaries and affiliates, or manufacturer, reserve the right to make changes without notice, to product design, product components and product manufacturing methods. Some specific combinations of options may not be available. Please contact Cube Optics AG for more information.