

DRACO CWDM MULTIPLEXER



4, 8 or 18 channels over a single fiber connection

Passive unit requires no power supply

Signal type agnostic



SFP modules are available in various optical budgets and wavelengths upon request

PRODUCT INFORMATION

Draco CWDM multiplexers minimize the total number of long interconnection cables and cabling effort. CWDM (Coarse Wavelength-Division Multiplexing) is a technology which multiplexes a number of optical fiber signals onto a single optical fiber by using different wavelengths. Using specific SFP modules (small form-factor pluggable)

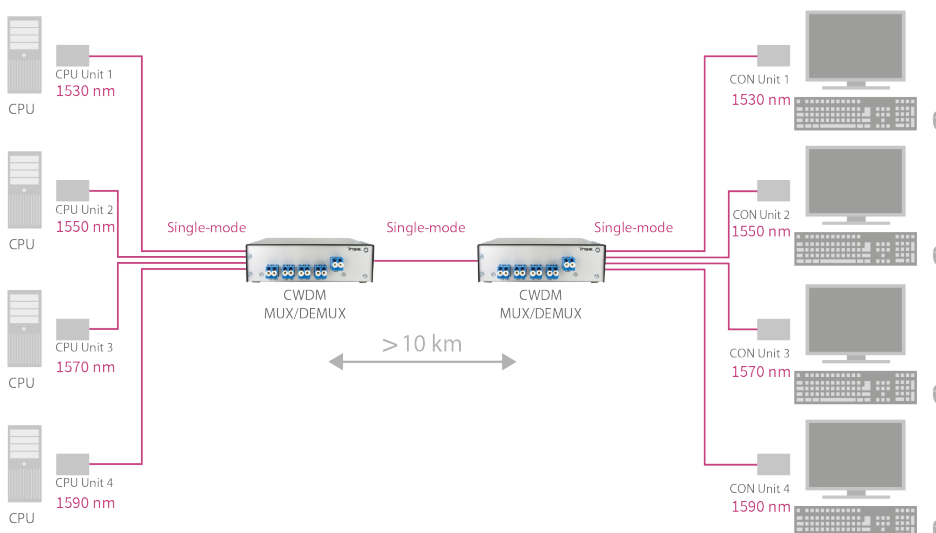
the bidirectional passive optical pair of multiplexer and demultiplexer allows up to 4, 8 or 18 different wavelengths to pass through a single optical single-mode fiber channel. The Draco CWDM multiplexer/demultiplexer kit can be installed in several types of Draco vario chassis and is designed to integrate seamlessly with Draco vario extenders

and Draco tera matrix switches. The Draco CWDM is completely agnostic to the signal type being transmitted, allowing DVI, HDMI, DisplayPort, USB, audio and RS232 signals from 4, 8 or 18 different sources to travel up to 10 km over a single transceiver connection.

PRODUCT FEATURES

- Compatible with Draco extenders and Draco switches
- Multiplex 4, 8 or 18 extender signals over a single CWDM fiber channel
- Various types of signals supported such as DVI, HDMI, DisplayPort, USB, audio and RS232/RS422
- Passive Draco CWDM optical design in package
- Minimize cabling cost
- Completely passive - no power supply required
- Scope of supply: Draco CWDM (transmitter and receiver) without SFPs or sets with SFPs

FUNCTIONAL DIAGRAM



TECHNICAL DATA

Maximum distance	Up to 10 km (based on SFP type used)	
Wavelengths 4 channels	1530, 1550, 1579, 1590 nm	
Wavelengths 8 channels	1470, 1490, 1510, 1530, 1550 1570, 1590, 1610 nm	
Wavelengths 18 channels	1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610 nm	
Dimensions (WxHxD) in mm	4/8 channels	145 x 41 x 147
	18 channels	483.6 x 44 x 266.1

ARTICLE NUMBERS

CWDM MUX/DEMUX with SFPs and assemblies

Kit Part No. 2x MUX/DEMUX plus SFPs	Description (for xx and y see tables below)
B470-CW4-SFPxx-yG	Draco vario CWDM MUX/DEMUX 4 - module kit incl. SFPs with bandwidth y G/optical budget xx dB
B470-CW8-SFPxx-yG	Draco vario CWDM MUX/DEMUX 8 - module kit incl. SFPs with bandwidth y G/optical budget xx dB
K470-CW4-SFPxx-yG	Draco vario CWDM MUX/DEMUX 4 - set incl. chassis and SFPs with bandwidth y G/optical budget xx dB
K470-CW8-SFPxx-yG	Draco vario CWDM MUX/DEMUX 8 - set incl. chassis and SFPs with bandwidth y G/optical budget xx dB
K470-CW18-SFPxx-yG	Draco vario CWDM MUX/DEMUX 18 - set incl. chassis and SFPs with bandwidth y G/optical budget xx dB

AVAILABLE SFP OPTIONS

Optical budgets xx dB available	Bandwith			
	1 G	3 G	6 G	10 G
10			X	
13		X		
14			X	X
18		X		
19	X			
22			X	
23				X
24	X	X		
28	X			
34	X			
38	X			
41	X			
Part no. of SFP alone	470-1Sxxnm	470-1Xxxnm	470-1V xxnm	470-10Xxxnm

SFP Wavelength nm	Supported Wavelengths per MUX/DEMUX	
1270	18-channel	
1290		
1310		
1330		
1350		
1370		
1390		
1410		
1430		
1450		
1470		8-channel
1490		
1510		
1530		4-channel
1550		
1570		
1590		
1610		

Examples

B470-CW8-SFP24-3G	CWDM 8-chan. module kit with SFPs (3G/opt.budg. 24dB)
470-1V49	SFP with 6G and wavelength 1490 nm

ARTICLE NUMBERS

Single unit CWDM MUX (spare parts)

Part No.	Description	Supported Wavelengths
B470-CW4	Single MUX/DEMUX module 4-channel for chassis mount	1530 - 1590 nm
B470-CW8	Single MUX/DEMUX module 8-channel for chassis mount	1470 - 1610 nm
K470-CW4	Single MUX/DEMUX 4-channel in chassis	1530 - 1590 nm
K470-CW8	Single MUX/DEMUX 8-channel in chassis	1470 - 1610 nm
K470-CW18	Single MUX/DEMUX 18-channel in chassis	1270 - 1610 nm

Rack mount hardware

474-VRMK	19" rack mount kit (1 RU, for 2 or 4 bay Draco vario chassis), for 1-2 Draco CWDM devices
474-2RMK	19" rack mount kit (1 RU, for 2 bay chassis) for 1 Draco CWDM device (4/8-channel)
474-BRACKET	Mounting bracket to mount by screws for wall mount or table mount