



4, 8, 18 channels offer a single fiber connection

Passive unit requires no power supply

No power supply required

Signal type agnostic



SFP modules are available in various FO Budget (dB) upon request. Please refer to the SFP table on the following page.

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 one duplex 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 one duplex optical single-mode fiber channel. The Draco CWDM multiplexer/demultiplexer (MUX/DEMUX) Kit can be installed in several types of Draco vario chassis (4-Port and 8-Port only) and is designed to integrate seamlessly with Draco vario extenders and Draco tera

matrix switches. The Draco CWDM aggregates up to 4, 8 or 18 KVMA extension links across just one duplex fiber connection link and - depending on the fiber optic budget of the used SFPs - up to multiples of 10 km. KVMA signals which also carry transparent USB 2.0 signals* might have some restrictions. For more details, please refer to the end of the datasheet.

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 VGA, DVI, HDMI, DisplayPort, USB, audio and RS232/RS422, USB 2.0*
- Passive Draco CWDM optical design in one package
- Minimize cabling cost
- Completely passive – no power supply required
- Scope of supply: Draco CWDM MUX/DEMUX Kit including SFPs

TECHNICAL DATA		
Maximum Distance	Based on SFP type used, please refer to the table below.	
Wavelengths 4 port	1530, 1550, 1570, 1590 nm	
Wavelengths 8 port	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610 nm	
Wavelengths 18 port	1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610 nm	
MUX/DEMUX Link Loss	4-Port	2,5 dB
	8-Port	3 dB
	18-Port	4,5 dB
Dimensions	4/8 CH	145 x 147 x 41 mm
	18 CH	482,6 x 266,1 x 44,0 mm

* KVM extenders requiring additional transparent USB 2.0 signal transmission have been verified for distances up to 10 km using L474-BXE2 and R474-BXE2 modules or their variations with additional audio support (BAE2, BSE2, BDE2, BRE2).

CWDM MUX/DEMUX Kit incl. SFPs

SFP OPTICAL BUDGET	CWDM MUX/DEMUX KIT INCLUDING SFPS	4-PORT MUX/DEMUX xx:04	8-PORT MUX/DEMUX xx:08	18-PORT MUX/DEMUX xx:18	
1G LINK					
19	K470-CWxx-SFP19-1G	optical link budget (dB)	16,5	16	14,5
		typical distance supported (km)**	42	40	37
24	K470-CWxx-SFP24-1G	optical link budget (dB)	21,5	21	19,5
		typical distance supported (km)**	54	53	49
28	K470-CWxx-SFP28-1G	optical link budget (dB)	25,5	25	23,5
		typical distance supported (km)**	64	63	59
34	K470-CWxx-SFP34-1G	optical link budget (dB)	31,5	31	29,5
		typical distance supported (km)**	79	78	74
38	K470-CWxx-SFP38-1G	optical link budget (dB)	35,5	35	33,5
		typical distance supported (km)**	89	88	84
41	K470-CWxx-SFP41-1G	optical link budget (dB)	38,5	38	36,5
		typical distance supported (km)**	97	95	92
3G LINK					
13	K470-CWxx-SFP13-3G	optical link budget (dB)	10,5	10	8,5
		typical distance supported (km)**	27	25	22
18	K470-CWxx-SFP18-3G	optical link budget (dB)	15,5	15	13,5
		typical distance supported (km)**	39	38	34
24	K470-CWxx-SFP24-3G	optical link budget (dB)	21,5	21	19,5
		typical distance supported (km)**	54	53	49

** Calculated average signal loss 0,4 dB/km

