

FLASHLINK CWDM1-8-MKII/ CWDM 9-16-MKII

8-channel low-loss CWDM filter with upgrade port

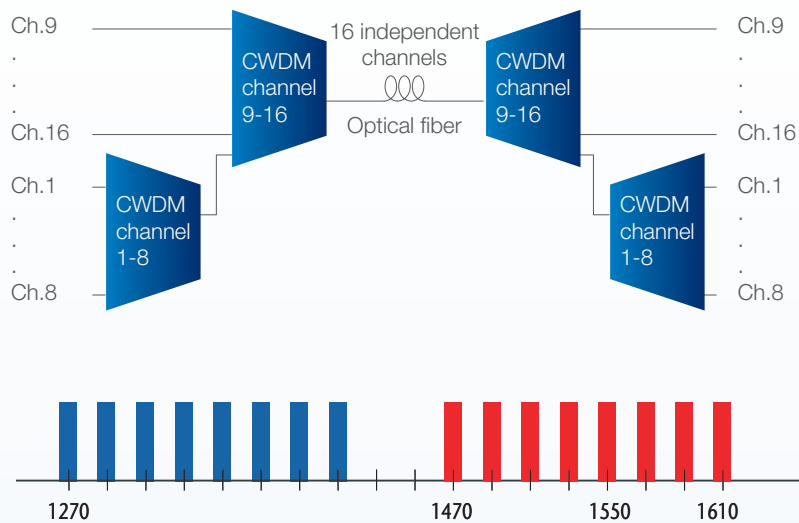
Application overview

The CWDM system is based on 8-channel optical filters, with one upgrade port for the easy addition of more channels at a later stage. The wavelengths are chosen according to the ITU-T G.694.2 standard to ensure maximum interoperability.

The wavelengths of the signal cards must correspond to the wavelengths of the optical filters, whereas the signal formats running on those wavelengths can be chosen to suit the signal transport needs.

Key features

- ▶ Low insertion loss
 - Max 3.5dBm end to end 8 channel system
 - Max 5.5dBm end to end 16 channel system
- ▶ High isolation allowing bi-directional traffic
- ▶ Up to 16 channels per fiber
- ▶ SC/UPC optical connector



Specifications

Optical filtering

Channels 1-8 and 9-16

Insertion loss any ch. (1-8)	3.5dB max total for both ends
Insertion loss any ch. (9-16)	5.5dB max total for both ends
Insertion loss per upgrade port	2.0dB max
Tx-Tx directivity	50dB min
Isolation adjacent ch.	30dB min
Isolation any other ch.	40dB min
Connector return loss	45dB min

Physical and environmental

Operation temperature	0 – 40°C
Wavelengths (ch. 1-8)	1470 – 1610nm
Wavelengths (ch. 9-16)	1270 – 1410nm
Transmission circuit fiber	Single mode 9/125 um
Connector return loss	Better than 30dB typ.
Max. reflected power	4%
Connector common port	SC/UPC acc. to SMPTE-297M
Connector common port (optional)	FC/PC

Ordering options

21050 CWDM9-16-Mkl	CWDM line card, 1270-1410nm filter w/upgrade, low loss
21051 CWDM1-8-Mkl	CWDM line card, 1470-1610nm filter, low loss



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