

NI-CW4

4-channel Coarse Wavelength Division Multiplexer/Demultiplexer

KEY FEATURES

- Passive Multiplexing or De-multiplexing
- Up to 4 channels

4-Channel CWDM Card

The NI-CW4 is a passive device for the multiplexing or demultiplexing of different optical wavelengths onto or from a singlemode fiber optic cable. Each unit allows up to 4 channels to be combined/separated with a 20 nm wavelength spacing based around the ITU G.694.2 grid specifications.

Adding additional NI-CW4 or NI-CW8 cards allows the system to transmit a total of 16 independent wavelengths on a single fiber, proving to be a very cost effective solution for system designers working with third party leased fibers.

The NI-CW4 occupies a single slot in any of the Nimbra 140 MMS series chassis, Nimbra 143 (3RU), Nimbra 141 (1RU) or the 3-slot enclosure, NI-120.

The NI-CW4 is also suitable for the Nimbra 141P chassis, which is specifically intended to house passive optical modules.



TECHNICAL SPECIFICATIONS

Coarse Wavelength Division Multiplexer for single mode Optical Fiber Systems

Connector:	LC
Wavelength:	1310nm and 1550nm
Insertion loss	> 2dB
Isolation Adjacent channel	> 30dB between 1310nm/1550nm
Pass band	1310nm Port Range 1270-1410nm 1550nm Port Range 1470-1610nm

General Card Specifications

Depth	60 mm
Width	20 mm 4TE
Height	129 mm (3RU)
Weight	100 g
Operating Temp	0 to +70°C

Max optical power	250 mW
No. of slots	1
Conformance	
RoHS	Complies with Directive 2002/95/EC

NB : All CWDM systems require specific "tuned" laser transmitters with individual 20 nm window output wavelengths.

Ordering Information

NPS0070-14A1	NI-CW4, 4-Channel CWDM Card Centre Wavelengths 1510/1530/1550/1570 nm
NPS0070-14B1	NI-CW4, 4-Channel CWDM Card Centre Wavelengths 1470/1490/1590/1610 nm
NPS0070-14C1	NI-CW4, 4-Channel CWDM Card Centre Wavelength 1270/1290/1310/1330nm
NPS0070-14D1	NI-CW4, 4-Channel CWDM Card Centre Wavelengths 1350/1370/1390/1410 nm

Net Insight AB (publ)
Phone +46 (0)8 685 04 00, info@netinsight.net, www.netinsight.net

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