

CWDM-1U-1310-Cx TO Cy MULTIPLEXER/DE-MULTIPLEXER CWDM

Advantages

- Passive solution
- Optical SM 1310 + x lambda
- 1+4 Lambdas
- 1+8 Lambdas
- 1+10 Lambdas
- 1310nm Δ 50nm
- Lambda Δ 20nm
- Connector SC/PC to Lambda or to WAN

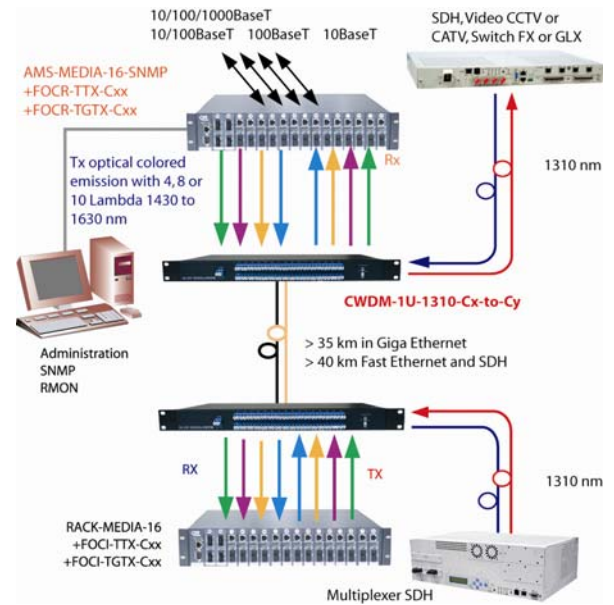
AN ECONNOMICAL SOLUTION OF MULIPLEXING

The **CWDM-1U-1310-Cx to Cy** is a passive system witch ones can multiplex and demux 5, 9 ou 11 optical signal on one fiber. One fiber is used for each direction. This solution for MAN or campuses infrastructure increase the capability of the fiber.

This **CWDM-1U-1310-Cx to Cy** use the optical signal from a standard 1310 nm Δ 50nm signal from any standard device (FO modem, SDH, video modem) and 4, 8 or 10 colored optical signal at 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 with Δ 20nm. This colored signal or Lambda are issue from CXR CWDM devices or other vendor.

This system support up to 11 signals for 100FX, 1000LX, SDH STM1-STM4-STM16 or video together.

All lines are completely independent and absolutely secure by the difference of wavelength.



CXR CWDM active equipments supplying CWDM Lambda:

- FOCI-TTX-FX-25D-Cxx Media conversion 10/100BT to 100FX with 25dB budget
- FOCI-TGTX-LX-25D-Cxx Media conversion 10/100/1000BT to 1000FX with 25dB budget

- Chassis AMS-MEDIA16-SNMP with SNMP for media conversion card
- FOCIR-TTX-FX-25D-Cxx Conversion 10/100BT to 100FX , budget 25db
- FOCIR-TGTX-LX-25D-Cxx Conversion 10/100/1000BT to 1000FX, budget 25db

Modems and E1/E3 TDM multiplexer

- FO-E1T1-SFP FO modem G703/G704 E1/T1 with one SFP-E1-SMnn-Cxx (end 2008)
- MX-E3T3-16E1-SFP 16E1 to E3 multiplexer with one SFP-E3-SMnn-Cxx (Q1 2009)

SDH multiplexers

- HX9400S, HX9400R et HX9500R STM1/4 with SFP-STMx-Cxx
- HX9416R STM1/4/16 with **SFP-STM16-Cxx (Q2 2009)**

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SPÉCIFICATIONS

Paramètres	Unité
Center Wavelength	1310+/-50 , 1431,1451,1471,1491, 1511,1531,1551,1571,1591,1611 nm
Number of channels	
CWDM-1U-1310-C9 to C12	1310 & 4-CH CWDM
CWDM-1U-1310-C11 to C18	1310 & 8-CH CWDM
CWDM-1U-1310-C9 to C18	1310 & 10-CH CWDM
Channel Spacing	20 nm
Pass Band	1310nm+/-50; CWDM :CWL ± 7.0 nm
Max Insertion Loss	
CWDM-1U-1310-C9 to C12	≤ 2.0 dB
CWDM-1U-1310-C11 to C18	≤ 3.2 dB
CWDM-1U-1310-C9 to C18	≤ 4.0 dB
Insertion loss for a pair	
CWDM-1U-1310-C12 to C15	≤ 3.0 dB
CWDM-1U-1310-C11 to C18	≤ 4.2 dB
CWDM-1U-1310-C9 to C18	≤ 5.0 dB
Passband Ripple	≤ 0.5 nm
Uniformity	≤ 1.0 dB
Return Loss	≥ 45 dB
Directivity	≥ 50 dB
Adjacent Channel Isolation	≥ 30 dB
Non- Adjacent Channel Isolation	≥ 40 dB
Polarization Dependent Loss (PDL)	≤ 0.15 dB
Max Power Handling	500 mW
Operating Temperature	-10~70 °C
Storage Temperature	-40~85 °C
Connector Adaptor Type	SC/PC
Dimension	1U, 210mm depth mm



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