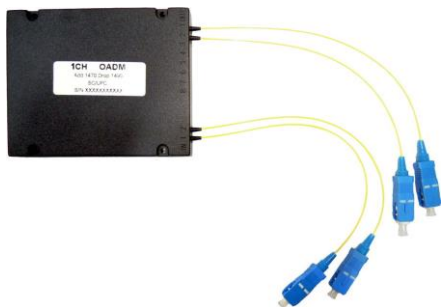




## CWDM OADM ( CWDM Optical Add/Drop Module )

Part number: FCAD-xFxCxxxxxx-xxxxx-xx



### Overview:

Ficer's CWDM OADM is the essential module in CWDM network system to add / drop channel in a ring or point to point line configuration. It allow you support different application like SDH/SONET, ATM, Fiber Channel, Gigabit-Ethernet simultaneously, without disturbing each other. Ficer CWDM OADM has low loss, high Isolation and Reliability. It fulfill different mission with multiple and flexible configurations.

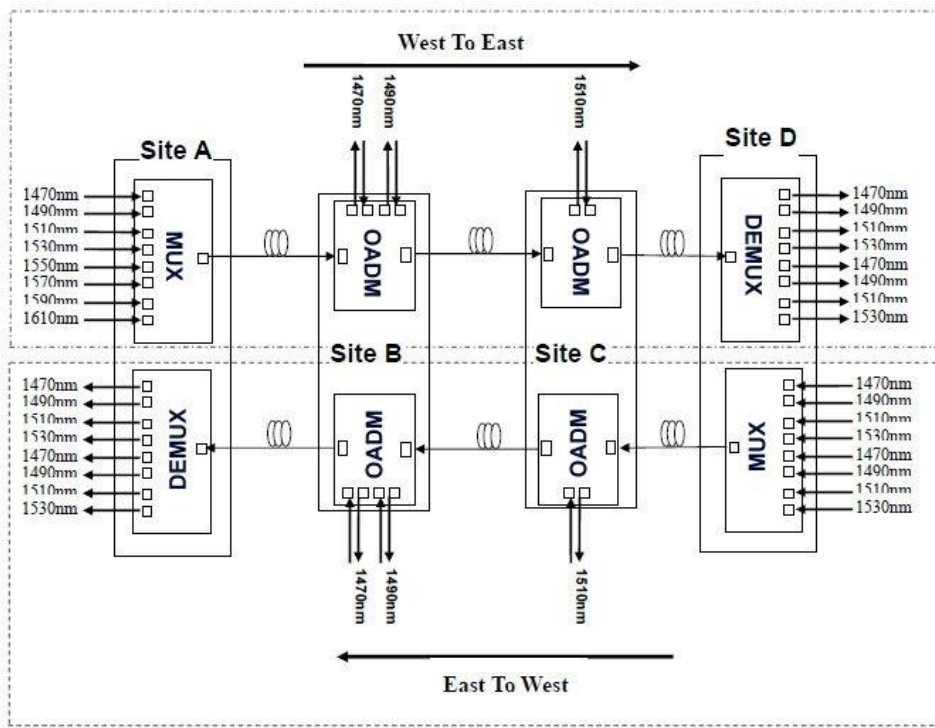
### Applications:

- WDM System for Metro/Access
- CATV System
- Add-Drop System
- Cellular Application

### Features:

- Low Insertion Loss
- High Isolation and Reliability
- Compliant to ITU-T CWDM Standard
- One Fiber or Two Fiber Configuration
- Monitor and 1310 UPG port available

### CWDM OADM application scheme:





**Specification:**

**T<sub>OP</sub> = -5 °C to 65 °C**

Parameter		2 Channel ( 1A/1D )	4 Channel ( 2A/2D )
Operating Wavelength (nm)		1260 to 1620	
Center Wavelength Accuracy (nm)		± 0.5	
Channel Spacing (GHz)		20nm	
Channel Passband (@-0.5dB bandwidth) Min.(nm)		$\lambda_c \pm 6.5$ , 1310 Express ± 50	
Insertion Loss (dB)	Add/Drop Channel	<1.2	<1.5
	Express Channel	<1.0	<2.3
Add/Drop Channel Ripple (dB)		<0.3	
Isolation (dB)	Add/Drop Channel	>30	>30
	Express Channel	>15	>15
Insertion Loss Temperature Sensitivity (dB/°C)		<0.005	
Wavelength Temperature Shifting (nm/ °C)		<0.002	
Polarization Dependent Loss (dB)		<0.10	<0.15
Polarization Mode Dispersion (ps)		<0.10	
Directivity (dB)		>50	
Return Loss (dB)		>45	
Power Handling (mW)		300	
Operating Temperature (°C)		-5~+65	
Storage Temperature (°C)		-5~+65	
Operating Humidity (%RH)		<93	
Storage Humidity (%RH)		<93	

**Note 1.** All the data above does not include connectors



## Ordering Information :

FCAD- F C -

**Model**

- 1: One Fiber
- 2: Two Fiber

**Channel**

- 2: 2CH
- 4: 4CH

**Add & Drop Wavelength**

- 27: 1270nm
- 29: 1290nm
- .....
- 59: 1590nm
- 61: 1610nm
- XX: None

**Upgrade Port**

- 3: 1310 UPG      Blank: None
- 5: 1550 UPG

**Monitor Port**

- 1: 1%              5: 5%
- 2: 2%              Blank: None
- 3: 3%

**Package**

- P: Plastic Box      R: Rack
- M: Metal Box      L: LGX Box
- S: Steel Tube

**Cable Diameter ( Package = P or M )**

- 2: 2.0mm            9: 0.9mm
- 3: 3.0mm            B: Bare Fiber

**Rack / LGX Color ( Package = R or L )**

- B: Black            G: Gray
- W: White           E: Beige

**Cable Jacket ( Package = P or M )**

- P: PVC              H: Hytrel
- L: LSZH             X: Bare Fiber

**Rack / LGX Material ( Package = R or L )**

- A: Aluminum      N: Iron



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- Link Fiber with Ficer -

Rev.Y2.31\_20181101

FCAD- F C -

**Cable Length ( Package = P or M )** \_\_\_\_\_

10: 1M                    03: 30cm  
20: 2M                    05: 50cm  
30: 3M                    15: 1.5M

**Rack Dimension ( Package = R )** \_\_\_\_\_

1U: 1U                    2U: 2U

**LGX Box Dimension ( Package = L )** \_\_\_\_\_

1S: 1 Slot                3S: 3 Slot  
2S: 2 Slot                4S: 4 Slot

**Connector / Adaptor Type** \_\_\_\_\_

F: FC type                P: PC type  
S: SC type                A: APC type  
T: ST type                X: None  
L: LC type  
U: MU  
E: E2000  
X: None

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