

# CWDM OEO Converter

**MAKE YOUR  
OPTICAL NETWORKS  
MORE RELIABLE**



The Coarse Wavelength Division Multiplexing (CWDM) OEO convertor can multiplex several(up to 16) different wavelengths into one fiber and can be demultiplexed at the other end of the fiber, what' more, it supports various of systems such as Fast Rthernet, Gigabit Ethernet, Fiber Channel, STM-1/4/16. So, for cable-shortage areas, the conver provides a very powerful solution, and a cost-effective alternative to CWDM for short or medium distance.It's usually used with a DEMUX.

## Features

- Cost-effective solution
- Operating channels configurable
- Protocol Transp arent
- Plug and play

## Applications

- Gigabit ethernet
- Fiber channel system
- SDH/SONET/ATM system

## Specifications

Parameter		Unit	Value		
			Min	Typ	Max
Bit Rate			100Mb/s		2.5Gb/s
Output Power Level Per Channel		dBm	-5		+3
Extinction Ratio		dB	8.2		
SMSR		dB	30		
Centre Wavelength		nm	ITU-T G.694.2defined wavelength		
Wavelength Temperature Drift		nm/°C	0.08		
Spectralum Width (-20dB)					1
Input Power Level	PIN	100/155Mb/s	dBm	-37	-3
		1.25Gb/s		-21	-3
		2.5Gb/s		-18	-3
	APD	2.5Gb/s		-28	-8
Receiver Optical Wavelength Range		nm	1100		1650
Operation /Storage Temperature		°C	0~+50/-40~+85		
Power Supply		V	220 AC or -48 DC		
Power Consumption		W/ch	5		
Package		mm	19inch 1U rack mount: 483×255×44、19inch 4U rack mount: 483×290×178		

## Ordering information

OEO — CWDM — F — <input type="text"/>	— <input type="text"/>
Power	Package
A:-48V DC、B:220V AC	11:483×255×44 (N.A for 2.5Gb/s) 14:483×290×178

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	Bit Rate	Conversion Mode	Distance	Receiver Type	Connector	Type	Channel Number	Connector	Package	
OEO	1:100/155Mb/s	MS	40:40Km	1:820~870nm/PIN	FC,LC/UPC	M:MUX	2:2channel	FC/PC、	11:483×255×44	
OE	4:622Mb/s	SM	80:80Km	2:1100~1650nm/PIN		D:DMUX	.....	LC/PC、	C:Drawer	
	8:1.25Gb/s	SS		3:1100~1650nm/APD		M/D:MUX/	16:16channel	MU/PC	D:plug and play	
	16:2.5Gb/s	EESS		4:RJ-45		DMUX		( for plug and play)		

Note:EESS(RJ45 to single multi-mode fiber only for oe) MS(multi-mode fiber to single-mode fiber)  
SM(single-mode fiber to multi-mode fiber) SS(single-mode fiber to single-mode fiber)