Features

- CWDM or DWDM 100GHz ITU grid
- Multiple data rate
- High receiver sensitivity and transmit power
- Intermediate/Long distance extension
- Input and output signal monitoring
- Highly reliable and stable
- Low power consumption
- RS-232 and Ethernet interface for local supervision

Applications

- Local area networks
- Access/metropolitan area network

Description

GIP Technology Fiber Extender series is the rack-mounted optical to optical conversion module. This series can automatically receive the 100~2700 Mbps signals ranging from 1260 to 1620nm and convert or amplify to the most popular used band of current telecom system. Fiber Extender can extend transmission distance up to intermediate or long reach at G.652 SMF. It will greatly reduces the signal transmission loss and extend the span distance.

The compact rack-mounted unit reduces the area size. In addition, these units also provide a user-friendly status monitoring via LED indicators, and various communication interfaces (RS232 and SNMP).

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Specifications

Optical Information		Unit	Description	
Transmitter side				
Center wavelength		nm	CWDM ITU Grid	C-Band, DWDM ITU Grid
Output power	Typ.	dBm	0	
Spectrum width @ -20dB	Max.	nm	1	0.3
Side-mode suppression ratio	Min.	dB	30	
Extinction ratio	Min.	dB	8.2	
Bit rate	Typ.	Mbps	100 ~ 2700	
Dispersion tolerance*1	Typ.	ps/nm	720 ~ 2160	
Dispersion penalty	Max	dB	3.0	
Connector			FC or SC	
Receiver side				
Wavelength		nm	1260 ~ 1620	
Sensitivity*2	Typ.	dBm	-18 ~ -30	
Input power*2	Max.	dBm	-8 ~ 0	
Bit rate	Typ.	Mbps	100 ~ 2700	
Fiber type			Single mode	
Connector			FC or SC	
Electrical Information				
Power supply		Volt	-48 VDC and 100 ~ 240 VAC	
Fan		pcs	1	
Power consumption	Typ.	W	10	
Environmental Information				
Operating temperature		°C	0 ~ 50	
Storage temperature		°C	-20 ~ 80	
Relative humidity (non-condense)		%	5 ~ 85 (operating)	
Outline Information				
Dimension			19” and 23” rack-mounted	

* 1: Measured at G.652 SMF.

* 2: Measured with PRBS 2^{23} –1 at 10^{-10} BER.

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