

## 1U Integrated Chassis

The 1U Integrated CWDM product from Sintai company can be installed in a standard 19-inch cabinet, using advanced optical film filtering technology to support up to 18 CWDM standard wavelength (1270-1610nm) optical signals multiplexed into one Transmission in the root fiber; when the capacity of the fiber is limited, the transmission capacity of a pair of fibers can be increased by 18 times on the existing fiber infrastructure by using the color light module, which has low cost, low power consumption, and small volume. Many advantages, such as a low-cost, high-performance transmission solution, is widely used in telecommunications, broadcasting, enterprise networks, campus networks and other fields.

### Product features

- low insertion loss
- High channel isolation
- High stability and reliability
- Light path without glue process
- 2~18 channels are optional

### Product specification

Parameter	Unit	MUX/DEMUX			
		4	8	16	18
Channel Number	CH	4	8	16	18
Operating Wavelength	nm	1260~1620			
Center Wavelength@ $\lambda_c$	nm	ITU Grid			
Channel Spacing	nm	20			
Channel Insertion Loss	dB	≤1.8	≤2.5	≤3.5	≤4.0
Channel band Bandwidth	nm	≥ $\lambda_c \pm 6.5$			
Channel Ripple	dB	≤0.5			
Adjacent Channel Isolation	dB	≥30			
Non-Adjacent Channel Isolation	dB	≥45			
Return Loss	dB	≥50			
Directivity	dB	≥55			
PDL	dB	≤0.2			

PMD	ps	≤0.2
Power Handling	mW	≤500
Operating Temperature	°C	0~+70
Storage Temperature	°C	-40 ~+85
Fiber Type	-	Corning SMF-28e Ultra
Package Size	mm	Standard 1U 19", 44(H)x442(W)x220(D)
Fiber Adapter Type	-	SC or LC

