

1U Rack Mount Double 40CH AWG

The integrated 1U rack mount double 40-channel AWG system with mux and de-mux launched by Sintai Communication Co., Ltd. can improve communication capacity, expand bandwidth and solve the shortage of fiber resources effectively based on the existing network

Product Overview

With the ever-growing shortage of fiber resources, it's difficult for operators to install cables, and the prices of leasing cables are high for industry clients. In the network construction, improving utilization of the existing fiber cable is the most urgent technology for the clients. The integrated 1U rack mount double 40-channel AWG system with mux and de-mux launched by Sintai Communication Co., Ltd. can improve communication capacity, expand bandwidth and solve the shortage of fiber resources effectively based on the existing network, which provide clients with an expansion solution of the optical fiber transmission with low cost and high performance. One device can realize dual-fiber transmission of 40 channels' independent service.

Product Feature

- 1U 19-inch standard rack
- Dimension of the equipment: 44 mm (h) x 442 mm (w) x 220 mm (d)
- support double 40 DWDM channels
- Adopt the modular design
- Rapid service deployment without changing the original network structure
- Transparent transmission without affecting the carrying service

Product Specification

Item	Unit	Parameter	
		Gauss	Flat top
ITU	GHz	±12.5	
Channel Spacing	nm	0.8nm(100GHz)	
Channel Number		Double 40	
Wavelength accuracy	nm	≤0.05	
Channel Insertion Loss	dB	≤5.0	≤5.5
-1dB Bandwidth	nm	≤0.2	≤0.34
-3dB Bandwidth	nm	≤0.4	≤0.51
Adjacent Channel Isolation	dB	≥25	
Non-Adjacent Channel Isolation	dB	≥30	
Total isolation	dB	≥22	≥23
Channel Ripple	dB	≤1.5	
Return Loss	dB	≥45	

Directivity	dB	≥ 50
PDL	dB	≤ 0.5
PMD	ps	≤ 0.5
Power Handling	mW	≤ 300
Operating Temperature	°C	-10~+70
Storage Temperature	°C	-40 ~+85
Fiber Type	-	Corning SMF-28e Ultra
Package Size	mm	Standard 1U 19", 44(H)x442(W)x220(D)

