Fast

Convenient

Reliable

HUAWEI
SPL1202

Rack-Mounted Optical Splitter

Building an
Efficient Fiber Infrastructure

HUAWEI

SPL1202

SPL1202 series of rack-mounted optical splitter is designed by modular structure and installed on the network integrated cabinet to implement the optical splitting function. The SPL1202 series include 1U and 2U optical splitter and the splitting ratio covers N:2~N:64（N=1, 2）. It adapts to19 inch and 21 inch (ETSI) rack installation by adjusting the rack-mounting ears. The splitter is composed of the SPL9103.

Features & Benefits

Complete series

- Splitting ratio: N:2~N:64（N=1,2）
- Height: 1U: N:2~N:32（N=1,2）; 2U:N:64 (N=1,2）
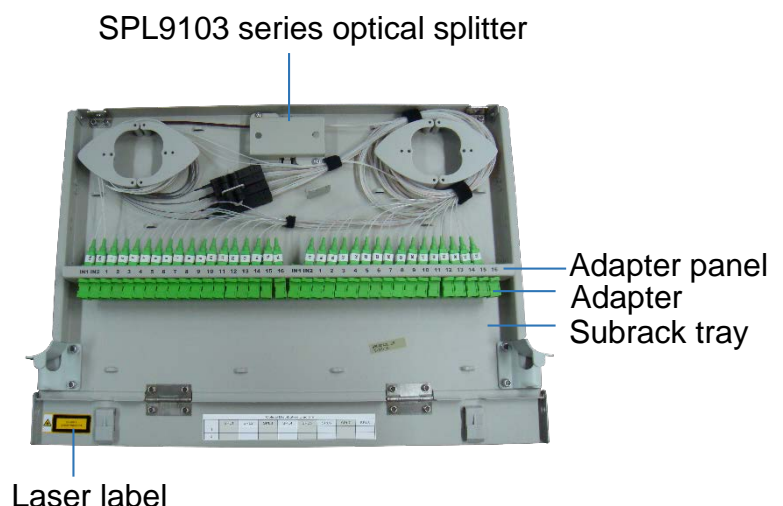- Adaptor: SC/APC, SC/UPC, 2LC/PC, 2LC/UPC, FC/PC

Safe and reliable

- The shell is made of sheet metal, and supports the horizontal boards-in-cabinet transportation.
- The flip structure facilitate the protection of optical ports.
- The fiber route protection is reliable.

Easy maintenance

- The tray structure facilitate product maintenance
- Support 19-inch and 21 inch(ETSI) rack installation.
- Support the different depth of the cabinet by adjusting the installation position of rack-mounting ears.

Structure

SPL9103 series optical splitter

Adapter panel
Adapter
Subrack tray

Laser label

⚙️ SPL Series Specifications

Packaging Dimension (H x W x D,mm)	1U rack-mounted optical splitter		130×555×358
	2U rack-mounted optical splitter		190×352×562
Cabinet	Dimension (H x W x D,mm)	1U empty cabinet	44×483×260
		2U empty cabinet	88×483×260
	Net weight (kg)	1U empty cabinet	3.56
		2U empty cabinet	4.22
	Installation mode		19-inch rack installation and 21 inch(ETSI) installation
	Material		Sheet metal
	Color		Huawei gray
	RoHS		Yes
	Fireproof class		UL94-V0
Splitter	Model		SPL9103 series bare optical splitter
	Net weight (g)		86
Adapter	Type and Precision		SC/APC, SC/UPC, 2LC/PC, 2LC/UPC, FC/PC
Panel	Material		Sheet metal
	Color		Huawei gray
Fake panel	Material		Plastic
	Color		Huawei gray

⚙️ Environmental Parameters

Item	Description
Operating Environment	Compliance with GR1209 / GR1221 controlled and non-controlled environments. Ambient Operating temperature range: -40-85 ℃ (Within unheated indoor and outdoor cabinet/enclosure application)

⚙ Performance Parameters

Optical split ratio	Operating bandwidth （nm）	Operating Wavelength (nm)	Insertion loss with connector （dB）	Return loss （dB）	Uniformity （dB）	PDL （dB）	Directivity （dB）
1:2 FBT	1310±40 &1490±10 &1550±40	1310/1490 /1550	≤3.8	≥50 (UPC)	≤0.6	≤0.15	≥55
1:4 PLC			≤7.4		≤0.7	≤0.2	
1:8 PLC			≤10.5		≤0.8	≤0.2	
1:16 PLC	1260~1650		≤13.8		≤1.0	≤0.3	
1:32 PLC			≤17.0		≤1.3	≤0.3	
1:64PLC			≤20.5		≤1.8	≤0.3	
2:2 FBT	1310±40 &1490±10 &1550±40		≤3.8	≥55 (APC)	≤0.6	≤0.15	
2:4 PLC			≤7.7		≤1.2	≤0.2	
2:8 PLC			≤11.2		≤1.2	≤0.3	
2:16PLC	1260~1650		≤14.5		≤1.8	≤0.3	
2:32PLC			≤17.6		≤1.8	≤0.3	
2:64PLC			≤21.2		≤2.5	≤0.4	

Remark:

1.The preceding data is the results of tests carried under 1310/1550 nm wavelength and room temperature.

2.The preceding insertion loss includes the insertion loss of the connectors(0.2 dB).