HUAWEI iSPL3801

Bracket-Mounted Optical Splitter

Building an Efficient Fiber Infrastructure

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iSPL3801 iReady

The iSPL3801 iReady series of Bracket-mounted optical splitter is installed in the iFAT3106 to implement the splitting function. The splitter has different splitting ratio which covers 1:4,1:8 and 1:16. The splitter is composed of the SPL9105.

Features & Benefits

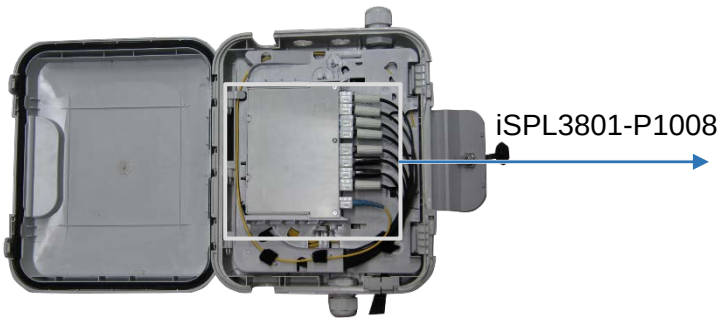
Product series

- Adaptor: SC/UPC, SC/APC
- Splitting ratio: 1:4,1:8 and 1:16

Easy maintenance

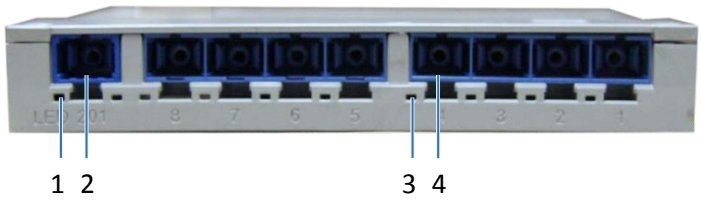
- The optical splitters can be installed without using any tools, improving the construction efficiency.
- The packing structure of the adapter facilitates onsite usage and maintenance.

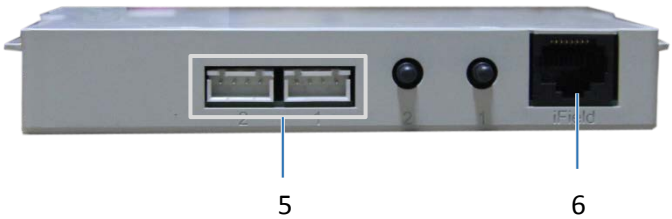
Structure



iFAT3106

iSPL3801-P1008





1. Optical splitter LED
2. IN port of the optical splitter
3. Port LED
4. OUT port of the optical splitter
5. Cascading ports 1 and 2
6. iField port

SPL Series Specifications

Item	Specifications		
Model	GPX147-iSPL3801-P1004	GPX147-iSPL3801-P1008	GPX147-iSPL3801-P1016
Optical split ratio	1:4	1:8	1:16
Dimensions (H x W x D; unit: mm)	20 x 130 x 90	20 x 130 x 90	40 x 130 x 90
Dimensions with packaging (H x W x D; unit: mm)	50 x 220 x 125	50 x 220 x 125	92 x 218 x 170
Volume with packaging (unit: m^3)	1.375×10^{-3}	1.375×10^{-3}	3.409×10^{-3}
Net weight (unit: kg)	0.14	0.16	0.24
Gross weight (unit: kg)	0.2	0.22	0.38
Material	PPO	PPO	PPO
Fiber type	G.657A1	G.657A1	G.657A1
Adapter type	SC/UPC,SC/APC	SC/UPC, SC/APC	SC/UPC, SC/APC
Maximum power consumption (unit: mW)	120	120	180

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)
1:4 PLC	1260～1650	1310/1490/1550	≤7.4	≥50(UPC); ≥55(APC)	≤0.7	≤0.2	≥55
1:8 PLC			≤10.5		≤0.8	≤0.2	
1:16 PLC			≤13.8		≤1.0	≤0.3	

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).