

PLC Splitter

The OPC 1600 PLC optical splitting platform launched by Sintai Communication Co., Ltd can fully duplicate one or more copies of data to downstream equipment to guarantee the stability and reliability of the data collection without affecting the original link. The product adopts the modular design, and the 1U chassis provides 4 optical splitting single-board slots and supports mixed insertion for various types of optical splitting single-board. The splitting ratio is optional, which can satisfy the data mirroring and collection in all application scenes. The product passes the Telcordia GR-1221-CORE test and complies with RoHS requirements.

Product Feature

- **Highest level of integration in the industry:** single 1U equipment supports 32 groups 1-into-2 (equal division), 24 groups 1-into-3 (equal division), 16 groups 1-into-4 (equal division), 8 groups 1-into-8 (equal division);
- **Most flexible architecture in the industry:** adopt the modular design, 1U chassis contains four slots to support mixed insertion of various models optical splitting single-board and meet the application on the same platform for various optical splitting ratios. At the same time, the construction in the early stage can be configured as requirements at the same time, and the expansion in the late stage only needs to add the corresponding board, which saves not only the clients' investment but also the cabinet space, thus realizing the clients' benefit maximization.
- **Safe and reliable:** the optical splitting splitter uses high-quality passive components, and the insertion loss meets multiple domestic and international standards; it has no effects on the backbone service signal.
- **Convenient maintenance:** replacing the optical splitter just needs to plug and unplug the board, without removing the whole chassis; all interfaces adopt outlet on the front panel, and the uniform interface type is the most common LC/PC interface in the industry;
- **Cost-effective:** the optical splitting single-board can be configured as requirements in the early stage of the early construction, and the chassis leaves redundant slots for the expansion and configuration in the late stage. Compared with the situation that the optical splitter in the traditional machine package can only perform expansion through the equipment stack, it greatly reduces the investment of chassis and equipment room space;
- **Uniqueness in the industry:** 1U 4 slot plug-in type optical splitting platform is first created by my company, which adequately addresses the various disadvantages of traditional rack type optical splitter.

Product Diagram



Product Specification

Parameter		Single mode	Multimode	Unit
Working wavelength		1260~1650	850	nm
Insertion loss	1*2 equal division	50%≤3.50	50%≤4.10	dB
	1*3 equal division	33.3%≤5.40	33.3%≤5.80	
	1*4 equal division	25%≤7.00	25%≤7.60	
	1*8 equal division	12.5%≤10.30	12.5%≤11.10	
Polarization dependent loss		≤0.15	≤0.15	dB
Direction		≥55	≥55	dB
Return loss		≥55	≥55	dB
Working temperature		-40~+85	-40~+85	°C

Naming Rule



Type

- **S**: single mode
- **M**: gigabit multimode
- **X**: 10G multimode

Splitting Ratio

- **13**: 1*3, divided equally
- **14**: 1*4, divided equally
- **18**: 1*8, divided equally

The group number of optical splitter card

- **2**: 2 groups
- **4**: 4 groups
- **6**: 6 groups
- **8**: 8 groups