

SFP BiDi Transceiver

Designed for Ethernet, Fiber Channel, SDH, SONET or CPRI links over simplex single mode fiber, the Sintai SFP BiDi optical transceivers use 1310nm, 1490nm, or 1550nm wavelengths and support transmission distance up to 120km and are used in pairs.

Product Feature

- Adopt SFP hot-swappable encapsulation with LC interface
- Support the rate of 1.25 or 2.67Gb/s with downward compatibility
- Support single fiber bidirectional transmission
- Suitable for networks such as Ethernet/ FC/ SDH/ SONET/ CPRI
- Single mode optical fiber supports a transmission distance of up to 40km in single fiber bidirectional transmission system
- Built-in DDM (digital diagnostic monitoring function)
- Working temperature: 0°C ~ +70°C
- Comply with RoHS standard

Product Overview

The 1.25G and 2.5G SFP optical communication module launched by Sintai Communication Co., Ltd contains a wide range of products to support a variety of application scenes, including dual fiber bidirectional, single fiber bidirectional, CWDM, DWDM transmission. The module conforms to the MSA protocol, and it has the characteristics of low power consumption, small size, multi-rate and good compatibility with different network applications, such as Ethernet/ SDH/ SONET/ CPRI/ FC, with the longest transmission distance of 120 km. The transceiver conforms to the RoHS standard and supports digital diagnostic function. The single fiber bidirectional optical transceiver is used in single fiber bidirectional transmission system and should be used in pairs.

Product Specification

Model	Description	Transmission distance (km)	Working wavelength (nm)	Transmitting power (dBm)	Receiving sensitivity (dBm)	Overload power (dBm)
ST-SBGE-53	SFP, 1.25G, single fiber A bidirectional	40	1550T/1310R	-5~0	≤-23	-3
ST-SBGE-35	SFP, 1.25G, single fiber B bidirectional	40	1310T/1550R	-5~0	≤-23	-3
ST-SBGZ-54	SFP, 1.25G, single fiber A bidirectional	80	1550T/1490R	-2~3	≤-24	-3
ST-SBGZ-45	SFP, 1.25G, single fiber B bidirectional	80	1490T/1550R	-2~3	≤-24	-3

Model	Description	Transmission distance	Working wavelength	Transmitting power	Receiving sensitivity	Overload power
ST-SBGU-54	SFP, 1.25G, single fiber A bidirectional	120	1550T/1490R	0~5	≤-31	-10
ST-SBGU-45	SFP, 1.25G, single fiber B bidirectional	120	1490T/1550R	0~5	≤-31	-10
ST-SBSE-54	SFP, 2.5G, single fiber A bidirectional	40	1550T/1490R	-2~3	≤-19	0
ST-SBSE-45	SFP, 2.5G, single fiber B bidirectional	40	1490T/1550R	-2~3	≤-19	0
ST-SBSZ-54	SFP, 2.5G, single fiber A bidirectional	80	1550T/1490R	0~5	≤-28	-9
ST-SBSZ-45	SFP, 2.5G, single fiber B bidirectional	80	1490T/1550R	0~5	≤-28	-9

