

## 25G SFP28 BiDi Transceiver

Designed for 25G Ethernet and CPRI/eCPRI links over simplex single mode fiber, the Sintai 25G SFP28 BiDi optical transceivers use 1270nm, 1330nm wavelengths and support transmission distance up to 10km and are used in pairs.

### Product Feature

- Uncooled DFB Laser transmitter
- High sensitive PIN PD Receiver
- LC BIDI optical receptacle
- SFF-8472 compliant digital diagnostic monitoring function implemented
- Operating case temperature range from 0°C to 70°C (-40°C to +85°C:Option)
- Low power consumption: Max. 1.2W
- Hot-pluggable to 20-pin electrical interface
- 2-wire management interface
- Class 1 Laser safety
- RoHS 6/6 compliant

### Product Application

- Local area networks
- Wide area networks
- Digital Wireless Repeater
- Storage area networks

### Product Overview

The transceiver is the SFP28 optical transceiver module which is a hot pluggable form factor designed for high speed optical networking application. The transceiver is designed for 25 Gigabit Ethernet applications, 2-wire management interface. The transceiver converts 25 Gb/s electrical data streams to 25Gb/s optical output signal and 25Gb/s optical input signal 25Gb/s electrical data streams.

The high performance DFB LD transmitter and high sensitivity PIN PD receiver provide superior performance for 25Gigabit Ethernet applications up to 10km links.

### Product Specification

Package	Part Number	Data Rate	Reach (km)	Wavelength (nm)	TX output (dBm)	RX sensitivity (dBm)	RX overload (dBm)	Interface
SFP28 Bidi	ST-SBVL-23	25G	10	1270/1330	-3 ~3	-11.3	2	LC