

100G CFP2 Single Mode Transceiver

Designed for 100G Ethernet and OTN OTU4 links over duplex single mode fibers, the Sintai 100G CFP2 100GBASE-LR4 optical transceivers support transmission distance up to 10km using LWDM wavelengths (1295.56nm, 1300.05nm, 1304.58nm, 1309.14nm).

Product Feature

- Adopt CFP2 hot-swappable encapsulation with LC interface for Single mode
- Single mode uses 4 x 28Gb/s laser
- Support an overall rate of 103.1Gb/s and 112Gb/s,
- Support network applications such as 100G Ethernet and OTU4
- Single mode optical fiber supports a transmission distance of up to 10km
- Built-in DDM (digital diagnostic monitoring function)
- Working temperature: 0°C ~ +70°C
- Comply with RoHS standards

Product Overview

The 100G CFP2 optical communication module launched by Sintai Communication Co., Ltd. is designed for the high density of 100G Ethernet and optical transport network (OTN) applications and, and it contains the 100GBASE-SR10 and 100GBASE-LR4 and supports an overall rate of 103.1Gb/s and 112Gb/s, and it's compatible with IEEE802.3ba and CFP MSA standard. The 100G CFP LR4 module is composed of 4X28G EML lasers and PIN receivers, and it uses the wavelength division multiplexing technology to multiplex 4-channel different wavelengths on a single fiber for the transmission, with the longest transmission distance of 10km.

Product Specification

Model	ST-TSCL-31
Operating wavelength (nm)	1295.56, 1300.05 1304.58, 1309.14
Operating rate (Gb/s)	4x28
Optical power range of single channel transmitting (dBm)	-4.3~+4.5
Optical power range of single channel receiving (dBm)	-10.6~+4.5
Power range of total transmission (dBm)	≤+10.5
Power range of total receipt (dBm)	-4.6~+5.5
Transmission distance (km)	10 (SMF)
Extinction ratio (dB)	4
Working temperature range (°C)	0~+70