

# 100G CFP2 Transceiver Module

## Transceiver Module



### Specification

The CFP transceiver module complies with CFP MSA and IEEE802.3ba standards, and the total transmission speed can reach 111.8 Gbps. It has low power consumption and higher rate features, and is compatible with Ethernet and OTN OTU4 applications. The multimode optical module uses ten 11.18Gbps channel VCSEL laser array optical transmitters and 10 PIN photo-detector array receivers. The transmission distance of OM3 multimode fiber can reach 100M and the transmission distance of OM4 multimode fiber can reach 400M. The single-mode optical module uses 4 LAN-WDM channels (EML laser array) optical signals, and is multiplexed to 111.8Gbps, which is output from the transmitter through SMF. The receiver receives 111.8Gbps optical signal input and demultiplexes it into 4 LAN-CWDM 28Gbps channels. It is received by the PIN photo-detector with a transmission distance of up to 10KM. It is widely used in various Ethernet devices such as switches, routers, and data centers.

## Functions and features

- Compliant with CFP MSA and IEEE802.3ba
- Single mode using 4 × 28Gbps EML laser
- Multimode uses 10 × 11.18Gbps VCSEL laser
- Support Rate up to 103.1Gbps ~ 111.8Gbps
- Supports 100G Ethernet and OTU4 network applications
- Single-mode and multi-mode specifications
- Built-in digital diagnostic function (DDM)
- Working temperature: 0 °C ~ 70 °C
- Storage temperature: -40 °C ~ 85 °C
- RoHS-6 compliant (Lead-free)
- OTN OTU4 network
- 100G Ethernet

## Parameters

Model	Form Type	Wavelength	Rate	Cable Type	Interface	TX Power	Receiver Sensitivity	Distance	DDM
<b>100G CFP2</b>									
VCF(D)-BG8SR	CFP2	850nm	100Gbps	MMF	LC	(-7~+2) dBm	≤-10dBm	400m	Yes/No
VCP(D)-BG3LRE	CFP2	1310nm	100Gbps	SMF	LC	(4,3~+4,5) dBm	≤-10dBm	400m	Yes/No
VCP(D)-BG3ERE	CFP2	1310nm	100Gbps	SMF	LC	(2,9~+2,9) dBm	≤-10.6dBm	10m	Yes/No