

# 8.5G SFP+ Transceiver Module

## Transceiver Module



### Specification

SFP+ optical modules comply with SFP + MSA related conventions. Support hot plugging, and adopt industry standard LC interfaces. The core optical transceivers all use high-reliability lasers and PIN or APD receivers. A low-power solution with a single power supply of 3.3V is used to control energy consumption. According to the SFP MSA specification, it provides monitoring/alarm interfaces such as data loss (LOS), transmission failure (Tx\_Fault), and laser shutdown (Tx\_Dis). Real-time monitoring of diagnostic characteristics in accordance with SFF-8472 "Optical Transceiver Diagnostic Monitoring Interface": Transmitted optical power, received optical power, laser bias current, temperature, power supply voltage. Compliant with IEC 60825-1 Class 1/CDRH Class 1 Laser Eye Safe and RoHS directive. Our SFP+ transceiver modules at rate 6.25Gbps, 8.5Gbps and 10Gbps are suitable for switches, routers, firewalls and other equipment. Widely used in telecommunications, data centers, security and military industries.

## Functions and features

- 3.3V power supply
- Transmission distance up to 80KM
- Transmission rate up to 11.3Gbps
- Support digital diagnostic monitoring (DDM)
- Single fiber, dual fiber, CWDM, DWDM multiple specifications are available
- Compliant with SFP + MSA SFF-8431 / 8432
- Compliant with RoHS 2002/95 / EC standards
- Working temperature range: 0 °C ~ 70 °C
- Security transmission system
- Ethernet transmission system
- Data center transmission system
- Fibre Channel transmission system
- Routing / server interface system
- Switch-to-switch interface transmission system
- Other fiber optic transmission systems

## Parameters

Model	Form Type	Wavelength	Rate	Cable Type	Inter- face	TX Power	Receiver Sensitivity	Distance	DDM
<b>8.5G SFP+</b>									
VPP(D)-8G8SR	SFP+	850nm	8.5Gbps	MMF	LC	(-6~-1) dBm	≤-10dBm	300m	Yes/No
VPP(D)-8G3SR	SFP+	1310nm	8.5Gbps	SMF	LC	(-8~-1) dBm	≤-14dBm	2km	Yes/No
VPP(D)-8G3LRD	SFP+	1310nm	8.5Gbps	SMF	LC	(-6~0) dBm	≤-14dBm	10km	Yes/No
VPP(D)-8G3ERD	SFP+	1310nm	8.5Gbps	SMF	LC	(-1~3) dBm	≤-15dBm	40km	Yes/No
VPP(D)-8G5ERD	SFP+	1550nm	8.5Gbps	SMF	LC	(-1~4) dBm	≤-16dBm	40km	Yes/No
VPP(D)-8G5ZRD	SFP+	1550nm	8.5Gbps	SMF	LC	(0~4) dBm	≤-24dBm	80km	Yes/No
<b>CWDM 8.5G SFP+</b>									
VPP(D)-8GCERD-XX	CWDM SFP+	CWDM1270~1610nm	8.5Gbps	SMF	LC	(-1~3) dBm	≤-16dBm	40km	Yes/No
VPP(D)-8GCZRD-XX	CWDM SFP+	CWDM1270~1610nm	8.5Gbps	SMF	LC	(0~4) dBm	≤-24dBm	80km	Yes/No
<b>DWDM 8.5G SFP+</b>									
VPP(D)-8GDERD-XX	DWDM SFP+	ITU-GRID DWDM	8.5Gbps	SMF	LC	(-1~3) dBm	≤-16dBm	40km	Yes/No
VPP(D)-8GDZRD-XX	DWDM SFP+	ITU-GRID DWDM	8.5Gbps	SMF	LC	(0~4) dBm	≤-24dBm	80km	Yes/No