

6.25G 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. The small package pluggable (SFP) optical modules can widely provide Ethernet, SDH/SONET, and Fibre Channel (FC) design options, support hot plugging, and adopt industry standard 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 SFP MSA, IEEE802.3 and EEC RoHS 2002/95/EC standards. Our SFP transceiver modules with speeds of 155Mbps, 622Mbps, 1.0625Gbps, 1.25Gbps, 2.125Gbps, 2.488Gbps, 4.25Gbps 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	Interface	TX Power	Receiver Sensitivity	Distance	DDM
6.25G SFP+									
VPP(D)-6G8SR	SFP+	850nm	6.25Gbps	MMF	LC	(-5~-1) dBm	≤-10dBm	300m	Yes/No
VPP(D)-6G3LR	SFP+	1310nm	6.25Gbps	SMF	LC	(-8~-1) dBm	≤-14dBm	10km	Yes/No
VPP(D)-6G5ERD	SFP+	1550nm	6.25Gbps	SMF	LC	(-1~3) dBm	≤-16dBm	40km	Yes/No
VPP(D)-6G5ZRD	SFP+	1550nm	6.25Gbps	SMF	LC	(0~4) dBm	≤-24dBm	80km	Yes/No
CWDM 6.25G SFP+									
VPP(D)-6GCERD-XX	CWDM SFP+	CWDM1270~1610nm	6.25Gbps	SMF	LC	(-1~3) dBm	≤-16dBm	40km	Yes/No
VPP(D)-6GCZRD-XX	CWDM SFP+	CWDM1270~1610nm	6.25Gbps	SMF	LC	(0~4) dBm	≤-24dBm	80km	Yes/No
BIDI 6.25G SFP+									
VBS(D)-6G23LRD	BIDI SFP+	Tx1270/Rx1330nm	6.25Gbps	SMF	LC	(-8~-1) dBm	≤-14dBm	10km	Yes/No
VBS(D)-6G32LRD	BIDI SFP+	Tx1330/Rx1270nm	6.25Gbps	SMF	LC	(-8~-1) dBm	≤-14dBm	10km	Yes/No
VBS(D)-6G23ERD	BIDI SFP+	Tx1270/Rx1330nm	6.25Gbps	SMF	LC	(0~4) dBm	≤-16dBm	40km	Yes/No
VBS(D)-6G32ERD	BIDI SFP+	Tx1330/Rx1270nm	6.25Gbps	SMF	LC	(0~4) dBm	≤-16dBm	40km	Yes/No