10G 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.

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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 ℃ ~ 70 ℃
- 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

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Parameters

Model	Form Type	Wavelength	Rate	Cable Type	Inter-face	TX Power	Receiver Sensitivity	Distance	DDM
10G SFP+									
VPP(D)-XG8SR	SFP+	850nm	10Gbps	MMF	LC	(-6~-1) dBm	≤-10dBm	300m	Yes/No
VPP(D)-XG3SR	SFP+	1310nm	10Gbps	SMF	LC	(-8~-1) dBm	≤-14dBm	2km	Yes/No
VPP(D)-XG3LRD	SFP+	1310nm	10Gbps	SMF	LC	(-6~0) dBm	≤-14dBm	10km	Yes/No
VPP(D)-XG3ERD	SFP+	1310nm	10Gbps	SMF	LC	(-1~3) dBm	≤-15dBm	40km	Yes/No
VPP(D)-XG5ERD	SFP+	1550nm	10Gbps	SMF	LC	(-1~4) dBm	≤-16dBm	40km	Yes/No
VPP(D)-XG5ZRD	SFP+	1550nm	10Gbps	SMF	LC	(0~4) dBm	≤-24dBm	80km	Yes/No
CWDM 10G SFP+									
VPP(D)-XGCERD-XX	CWDM SFP+	CWDM1270~1610nm	10Gbps	SMF	LC	(-1~3) dBm	≤-16dBm	40km	Yes/No
VPP(D)-XGCZRD-XX	CWDM SFP+	CWDM1270~1610nm	10Gbps	SMF	LC	(0~4) dBm	≤-24dBm	80km	Yes/No
DWDM 10G SFP+									
VPP(D)-XGDERD-CXX	DWDM SFP+	ITU-GRID DWDM	10Gbps	SMF	LC	(-1~3) dBm	≤-16dBm	40km	Yes/No
VPP(D)-XGDZRD-CXX	DWDM SFP+	ITU-GRID DWDM	10Gbps	SMF	LC	(0~4) dBm	≤-24dBm	80km	Yes/No
BIDI 10G SFP+									
VBS(D)-XG23LRD	BIDI SFP+	Tx1270/Rx1330nm	10Gbps	SMF	LC	(-6~-1) dBm	≤-14dBm	10km	Yes/No
VBS(D)-XG32LRD	BIDI SFP+	Tx1330/Rx1270nm	10Gbps	SMF	LC	(-6~-1) dBm	≤-14dBm	10km	Yes/No
VBS(D)-XG23LRD	BIDI SFP+	Tx1270/Rx1330nm	10Gbps	SMF	LC	(-2~2) dBm	≤-14dBm	20km	Yes/No
VBS(D)-XG32LRD	BIDI SFP+	Tx1330/Rx1270nm	10Gbps	SMF	LC	(-2~2) dBm	≤-14dBm	20km	Yes/No
VBS(D)-XG23ERD	BIDI SFP+	Tx1270/Rx1330nm	10Gbps	SMF	LC	(0~5) dBm	≤-15dBm	40km	Yes/No
VBS(D)-XG32ERD	BIDI SFP+	Tx1330/Rx1270nm	10Gbps	SMF	LC	(0~5) dBm	≤-15dBm	40km	Yes/No
VBS(D)-XG23ERD	BIDI SFP+	Tx1270/Rx1330nm	10Gbps	SMF	LC	(0~5) dBm	≤-20dBm	60km	Yes/No
VBS(D)-XG32ERD	BIDI SFP+	Tx1330/Rx1270nm	10Gbps	SMF	LC	(0~5) dBm	≤-20dBm	60km	Yes/No

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