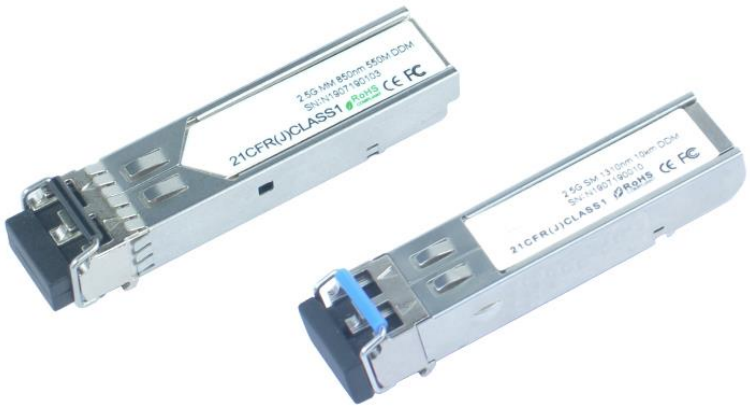
2.5G SFP Transceiver Module

Transceiver Module



Specification

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.

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Functions and features

- 3.3V power supply
- Digital diagnostic monitoring (DDM):
- internal or external calibration
- Transmission distance up to 120KM
- Transmission rate up to 4.25Gbps
- Single Cable Type, dual Cable Type, CWDM,
- DWDM multiple specifications are available
- Compliant with RoHS 2002/95/EC
- Compliant with SFP MSA and SFF-8472 standards
- Operating 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

Parameters

Model	Form Type	Wavelength	Rate	Cable Type	Inter-face	TX Power	Receiver Sensitivity	Distance	DDM
2.5G SFP									
VXP(D)-488S	SFP	850nm	2.5Gbps	MMF	LC	(-10~-3) dBm	≤-18dBm	300m	Yes/No
VXP(D)-483S	SFP	1310nm	2.5Gbps	SMF	LC	(-10~-3) dBm	≤-18dBm	2km	Yes/No
VXP(D)-483S2D	SFP	1310nm	2.5Gbps	SMF	LC	(-5~0) dBm	≤-18dBm	20km	Yes/No
VXP(D)-483M4D	SFP	1310nm	2.5Gbps	SMF	LC	(-2~3) dBm	≤-18dBm	40km	Yes/No
VXP(D)-485M4D	SFP	1310nm	2.5Gbps	SMF	LC	(-2~3) dBm	≤-27dBm	40km	Yes/No
CWDM 2.5G SFP									
VXP(D)-48CM4D-XX	CWDM SFP	CWDM1270~1610nm	2.5Gbps	SMF	LC	(-2~3) dBm	≤-18dBm	40km	Yes/No
VXP(D)-48CLD-XX	CWDM SFP	CWDM1270~1610nm	2.5Gbps	SMF	LC	(0~5) dBm	≤-28dBm	80km	Yes/No
DWDM 2.5G SFP									
VXP(D)-48DLD-CXX	DWDM SFP	ITU-GRID DWDM	2.5Gbps	SMF	LC	(0~5) dBm	≤-28dBm	80km	Yes/No
VXP(D)-48DUD-CXX	DWDM SFP	ITU-GRID DWDM	2.5Gbps	SMF	LC	(0~5) dBm	≤-30dBm	120km	Yes/No
BIDI 2.5G SFP									
VBP(D)-4835S2D	BIDI SFP	Tx1310/Rx1550nm	2.5Gbps	SMF	LC	(-5~0) dBm	≤-18dBm	20km	Yes/No
VBP(D)-4853S2D	BIDI SFP	Tx1550/Rx1310nm	2.5Gbps	SMF	LC	(-5~0) dBm	≤-18dBm	20km	Yes/No
VBP(D)-4835M4D	BIDI SFP	Tx1310/Rx1550nm	2.5Gbps	SMF	LC	(-2~3) dBm	≤-19dBm	40km	Yes/No
VBP(D)-4853M4D	BIDI SFP	Tx1550/Rx1310nm	2.5Gbps	SMF	LC	(-2~3) dBm	≤-19dBm	40km	Yes/No
VBP(D)-4845LD	BIDI SFP	Tx1490/Rx1550nm	2.5Gbps	SMF	LC	(0~5) dBm	≤-28dBm	80km	Yes/No
VBP(D)-4854LD	BIDI SFP	Tx1550/Rx1490nm	2.5Gbps	SMF	LC	(0~5) dBm	≤-28dBm	80km	Yes/No

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