

1.25G 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.

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 °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
1.25G SFP									
VXP(D)-248ST	SFP	850nm	1.25Gbps	MMF	LC	(-9~-3) dBm	≤-24dBm	550m	Yes/No
VXP(D)-243S	SFP	1310nm	1.25Gbps	SMF	LC	(-9~-3) dBm	≤-18dBm	10km	Yes/No
VXP(D)-243S2	SFP	1310nm	1.25Gbps	SMF	LC	(-9~-3) dBm	≤-22dBm	20km	Yes/No
VXP(D)-243M4D	SFP	1310nm	1.25Gbps	SMF	LC	(-5~0) dBm	≤-24dBm	40km	Yes/No
VXP(D)-245M4D	SFP	1550nm	1.25Gbps	SMF	LC	(-5~0) dBm	≤-24dBm	40km	Yes/No
VXP(D)-245LD	SFP	1550nm	1.25Gbps	SMF	LC	(0~5) dBm	≤-24dBm	80km	Yes/No
CWDM 1.25G SFP									
VXP(D)-24CM4D-XX	CWDM SFP	CWDM1270~1610nm	1.25Gbps	SMF	LC	(-5~0) dBm	≤-24dBm	40km	Yes/No
VXP(D)-24CLD-XX	CWDM SFP	CWDM1270~1610nm	1.25Gbps	SMF	LC	(0~5) dBm	≤-24dBm	80km	Yes/No
VXP(D)-24CUD-XX	CWDM SFP	CWDM1270~1610nm	1.25Gbps	SMF	LC	(0~5) dBm	≤-31dBm	120km	Yes/No
DWDM 1.25G SFP									
VXP(D)-24DM4D-CXX	DWDM SFP	ITU-GRID DWDM	1.25Gbps	SMF	LC	(-5~0) dBm	≤-24dBm	40km	Yes/No
VXP(D)-24DLD-CXX	DWDM SFP	ITU-GRID DWDM	1.25Gbps	SMF	LC	(0~5) dBm	≤-24dBm	80km	Yes/No
VXP(D)-24DUD-CXX	DWDM SFP	ITU-GRID DWDM	1.25Gbps	SMF	LC	(0~5) dBm	≤-31dBm	120km	Yes/No
BIDI 1.25G SFP									
VBP(D)-2435S	BIDI SFP	Tx1310/Rx1550nm	1.25Gbps	SMF	LC	(-14~-8) dBm	≤-22dBm	2km	Yes/No
VBP(D)-2453S	BIDI SFP	Tx1550/Rx1310nm	1.25Gbps	SMF	LC	(-14~-8) dBm	≤-22dBm	2km	Yes/No
VBP(D)-2434S2	BIDI SFP	Tx1310/Rx1490nm	1.25Gbps	SMF	LC	(-9~-3) dBm	≤-22dBm	20km	Yes/No
VBP(D)-2443S2D	BIDI SFP	Tx1490/Rx1310nm	1.25Gbps	SMF	LC	(-9~-3) dBm	≤-22dBm	20km	Yes/No
VBP(D)-2435S2	BIDI SFP	Tx1310/Rx1550nm	1.25Gbps	SMF	LC	(-9~-3) dBm	≤-22dBm	20km	Yes/No

Model	Form Type	Wavelength	Rate	Cable Type	Interface	TX Power	Receiver Sensitivity	Distance	DDM
BIDI 1.25G SFP									
VBP(D)-2453S2D	BIDI SFP	Tx1550/Rx1310nm	1.25Gbps	SMF	LC	(-9~-3) dBm	≤-22dBm	20km	Yes/No
VBP(D)-2434M4D	BIDI SFP	Tx1310/Rx1490nm	1.25Gbps	SMF	LC	(-5~0) dBm	≤-23dBm	40km	Yes/No
VBP(D)-2443M4D	BIDI SFP	Tx1490/Rx1310nm	1.25Gbps	SMF	LC	(-5~0) dBm	≤-23dBm	40km	Yes/No
VBP(D)-2435M4D	BIDI SFP	Tx1310/Rx1550nm	1.25Gbps	SMF	LC	(-5~0) dBm	≤-23dBm	40km	Yes/No
VBP(D)-2453M4D	BIDI SFP	Tx1550/Rx1310nm	1.25Gbps	SMF	LC	(-5~0) dBm	≤-23dBm	40km	Yes/No
VBP(D)-2445LD	BIDI SFP	Tx1490/Rx1550nm	1.25Gbps	SMF	LC	(-2~3) dBm	≤-24dBm	80km	Yes/No
VBP(D)-2454LD	BIDI SFP	Tx1550/Rx1490nm	1.25Gbps	SMF	LC	(-2~3) dBm	≤-24dBm	80km	Yes/No
VBP(D)-2435LD	BIDI SFP	Tx1310/Rx1550nm	1.25Gbps	SMF	LC	(-2~3) dBm	≤-24dBm	80km	Yes/No
VBP(D)-2453LD	BIDI SFP	Tx1550/Rx1310nm	1.25Gbps	SMF	LC	(-2~3) dBm	≤-24dBm	80km	Yes/No
VBP(D)-2445UD	BIDI SFP	Tx1490/Rx1550nm	1.25Gbps	SMF	LC	(0~5) dBm	≤-31dBm	120km	Yes/No
VBP(D)-2454UD	BIDI SFP	Tx1550/Rx1490nm	1.25Gbps	SMF	LC	(0~5) dBm	≤-31dBm	120km	Yes/No
Copper 1.25G SFP									
VBP(D)-24R3	Copper SFP	-	1000Mbps	-	RJ45	-	-	1000M	-
VBP(D)-24R1	Copper SFP	-	10/100/1000 Mbps	-	RJ45	-	-	1000M	-