

# 100M 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
<b>100M SFP</b>									
VXP(D)-038S	SFP	850nm	100/155Mbps	MMF	LC	(-10~-4)dBm	≤-24dBm	2km	Yes/No
VXP(D)-030S	SFP	1310nm	100/155Mbps	SMF	LC	(-14~-8)dBm	≤-24dBm	2km	Yes/No
VXP(D)-033S2	SFP	1310nm	100/155Mbps	SMF	LC	(-14~-8)dBm	≤-32dBm	20km	Yes/No
VXP(D)-033M4	SFP	1310nm	100/155Mbps	SMF	LC	(-7~-2)dBm	≤-34dBm	40km	Yes/No
VXP(D)-035LD	SFP	1550nm	100/155Mbps	SMF	LC	(-5~0)dBm	≤-34dBm	80km	Yes/No
VXP(D)-035UD	SFP	1550nm	100/155Mbps	SMF	LC	(0~5)dBm	≤-34dBm	120km	Yes/No
<b>CWDM 100M SFP</b>									
VXP(D)-03CM4D-XX	CWDM SFP	CWDM1270~1610nm	100/155Mbps	SMF	LC	(-7~-2)dBm	≤-34dBm	40km	Yes/No
VXP(D)-03CLD-XX	CWDM SFP	CWDM1270~1610nm	100/155Mbps	SMF	LC	(-5~0)dBm	≤-34dBm	80km	Yes/No
VXP(D)-03CUD-XX	CWDM SFP	CWDM1270~1610nm	100/155Mbps	SMF	LC	(0~5)dBm	≤-34dBm	120km	Yes/No
<b>BIDI 100M SFP</b>									
VBP(D)-0334S2	BIDI SFP	Tx1310/Rx1490nm	100/155Mbps	SMF	LC	(-14~-8)dBm	≤-31dBm	20km	Yes/No
VBP(D)-0343S2	BIDI SFP	Tx1490/Rx1310nm	100/155Mbps	SMF	LC	(-14~-8)dBm	≤-31dBm	20km	Yes/No
VBP(D)-0335S2	BIDI SFP	Tx1310/Rx1550nm	100/155Mbps	SMF	LC	(-14~-8)dBm	≤-31dBm	20km	Yes/No
VBP(D)-0353S2	BIDI SFP	Tx1550/Rx1310nm	100/155Mbps	SMF	LC	(-14~-8)dBm	≤-31dBm	20km	Yes/No
VBP(D)-0334M4	BIDI SFP	Tx1310/Rx1490nm	100/155Mbps	SMF	LC	(-5~0)dBm	≤-32dBm	40km	Yes/No
VBP(D)-0343M4D	BIDI SFP	Tx1490/Rx1310nm	100/155Mbps	SMF	LC	(-5~0)dBm	≤-32dBm	40km	Yes/No
VBP(D)-0335M4	BIDI SFP	Tx1310/Rx1550nm	100/155Mbps	SMF	LC	(-5~0)dBm	≤-32dBm	40km	Yes/No
VBP(D)-0353M4D	BIDI SFP	Tx1550/Rx1310nm	100/155Mbps	SMF	LC	(-5~0)dBm	≤-32dBm	40km	Yes/No
VBP(D)-0345LD	BIDI SFP	Tx1490/Rx1550nm	100/155Mbps	SMF	LC	(-5~0)dBm	≤-34dBm	80km	Yes/No

Model	Form Type	Wavelength	Rate	Cable Type	Interface	TX Power	Receiver Sensitivity	Distance	DDM
<b>BIDI 100M SFP</b>									
VBP(D)-0354LD	BIDI SFP	Tx1550/Rx1490nm	100/155Mbps	SMF	LC	(-5~0) dBm	≤-34dBm	80km	Yes/No
VBP(D)-0345UD	BIDI SFP	Tx1490/Rx1550nm	100/155Mbps	SMF	LC	(0~5) dBm	≤-36dBm	120km	Yes/No
VBP(D)-0354UD	BIDI SFP	Tx1550/Rx1490nm	100/155Mbps	SMF	LC	(0~5) dBm	≤-36dBm	120km	Yes/No
<b>Copper 100M SFP</b>									
VBP(D)-00R3	Copper SFP	-	100Mbps	-	RJ45	-	-	100M	-
VBP(D)-00R1	Copper SFP	-	10/100Mbps	-	RJ45	-	-	100M	-