

# 622M 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	Interface	TX Power	Receiver Sensitivity	Distance	DDM
<b>622M SFP</b>									
VXP(D)-128S	SFP	850nm	622Mbps	MMF	LC	(-9~-3) dBm	≤-22dBm	2km	Yes/No
VXP(D)-123S2	SFP	1310nm	622Mbps	SMF	LC	(-14~-8) dBm	≤-28dBm	20km	Yes/No
VXP(D)-123M4D	SFP	1310nm	622Mbps	SMF	LC	(-5~0) dBm	≤-28dBm	40km	Yes/No
VXP(D)-125M4D	SFP	1550nm	622Mbps	SMF	LC	(-5~0) dBm	≤-28dBm	40km	Yes/No
VXP(D)-125LD	SFP	1550nm	622Mbps	SMF	LC	(-3~2) dBm	≤-28dBm	80km	Yes/No
VXP(D)-125UD	SFP	1550nm	622Mbps	SMF	LC	(0~5) dBm	≤-31dBm	120km	Yes/No
<b>CWDM 622M SFP</b>									
VXP(D)-12CS2-XX	CWDM SFP	CWDM1270~1610nm	622Mbps	SMF	LC	(-14~-8) dBm	≤-28dBm	20km	Yes/No
VXP(D)-12CM4D-XX	CWDM SFP	CWDM1270~1610nm	622Mbps	SMF	LC	(-5~0) dBm	≤-28dBm	40km	Yes/No
VXP(D)-12CLD-XX	CWDM SFP	CWDM1270~1610nm	622Mbps	SMF	LC	(-3~2) dBm	≤-28dBm	80km	Yes/No
<b>BIDI 622M SFP</b>									
VBP(D)-1234S2	BIDI SFP	Tx1310/Rx1490nm	622Mbps	SMF	LC	(-15~-8) dBm	≤-28dBm	20km	Yes/No
VBP(D)-1243S2	BIDI SFP	Tx1490/Rx1310nm	622Mbps	SMF	LC	(-15~-8) dBm	≤-28dBm	20km	Yes/No
VBP(D)-1235S2	BIDI SFP	Tx1310/Rx1550nm	622Mbps	SMF	LC	(-15~-8) dBm	≤-28dBm	20km	Yes/No
VBP(D)-1253S2	BIDI SFP	Tx1550/Rx1310nm	622Mbps	SMF	LC	(-15~-8) dBm	≤-28dBm	20km	Yes/No
VBP(D)-1234M4	BIDI SFP	Tx1310/Rx1490nm	622Mbps	SMF	LC	(-5~0) dBm	≤-28dBm	40km	Yes/No
VBP(D)-1243M4D	BIDI SFP	Tx1490/Rx1310nm	622Mbps	SMF	LC	(-5~0) dBm	≤-28dBm	40km	Yes/No
VBP(D)-1235M4	BIDI SFP	Tx1310/Rx1550nm	622Mbps	SMF	LC	(-5~0) dBm	≤-28dBm	40km	Yes/No
VBP(D)-1253M4D	BIDI SFP	Tx1550/Rx1310nm	622Mbps	SMF	LC	(-5~0) dBm	≤-28dBm	40km	Yes/No
VBP(D)-1245LD	BIDI SFP	Tx1490/Rx1550nm	622Mbps	SMF	LC	(-3~2) dBm	≤-28dBm	80km	Yes/No
VBP(D)-1254LD	BIDI SFP	Tx1550/Rx1490nm	622Mbps	SMF	LC	(-3~2) dBm	≤-28dBm	80km	Yes/No

Model	Form Type	Wavelength	Rate	Cable Type	Interface	TX Power	Receiver Sensitivity	Distance	DDM
VBP(D)-1245UD	BIDI SFP	Tx1490/Rx1550nm	622Mbps	SMF	LC	(0~5)dBm	≤-31dBm	120km	Yes/No
VBP(D)-1254UD	BIDI SFP	Tx1550/Rx1490nm	622Mbps	SMF	LC	(0~5)dBm	≤-31dBm	120km	Yes/No