

4.25G 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
4.25G SFP									
VXP(D)-4G8S	SFP	850nm	4.25Gbps	MMF	LC	(-9~0) dBm	≤-18dBm	150m	Yes/No
VXP(D)-4G3S	SFP	1310nm	4.25Gbps	SMF	LC	(-8~-3) dBm	≤-18dBm	10km	Yes/No
VXP(D)-4G5M4D	SFP	1550nm	4.25Gbps	SMF	LC	(0~5) dBm	≤-22dBm	40km	Yes/No
VXP(D)-4G5LD	SFP	1550nm	4.25Gbps	SMF	LC	(0~5) dBm	≤-26dBm	80km	Yes/No
CWDM 4.25G SFP									
VXP(D)-4GCM4D-XX	CWDM SFP	CWDM 1270~1610nm	4.25Gbps	SMF	LC	(0~5) dBm	≤-18dBm	40km	Yes/No
VXP(D)-4GCLD-XX	CWDM SFP	CWDM 1270~1610nm	4.25Gbps	SMF	LC	(0~5) dBm	≤-24dBm	40km	Yes/No
DWDM 4.25G SFP									
VXP(D)-4GDM4D-CXX	DWDM SFP	ITU-GRID DWDM	4.25Gbps	SMF	LC	(0~5) dBm	≤-18dBm	40km	Yes/No
VXP(D)-4GDL4D-CXX	DWDM SFP	ITU-GRID DWDM	4.25Gbps	SMF	LC	(0~5) dBm	≤-24dBm	80km	Yes/No
BIDI 4.25G SFP									
VBP(D)-4G35S2D	BIDI SFP	Tx1310/Rx1550nm	4.25Gbps	SMF	LC	(-5~0) dBm	≤-16dBm	10km	Yes/No
VBP(D)-4G53S2D	BIDI SFP	Tx1550/Rx1310nm	4.25Gbps	SMF	LC	(-5~0) dBm	≤-16dBm	10km	Yes/No
VBP(D)-4G45M4D	BIDI SFP	Tx1490/Rx1550nm	4.25Gbps	SMF	LC	(0~5) dBm	≤-16dBm	40km	Yes/No
VBP(D)-4G54M4D	BIDI SFP	Tx1550/Rx1490nm	4.25Gbps	SMF	LC	(0~5) dBm	≤-16dBm	40km	Yes/No
VBP(D)-4G45LD	BIDI SFP	Tx1490/Rx1550nm	4.25Gbps	SMF	LC	(0~5) dBm	≤-24dBm	80km	Yes/No
VBP(D)-4G54LD	BIDI SFP	Tx1550/Rx1490nm	4.25Gbps	SMF	LC	(0~5) dBm	≤-24dBm	80km	Yes/No