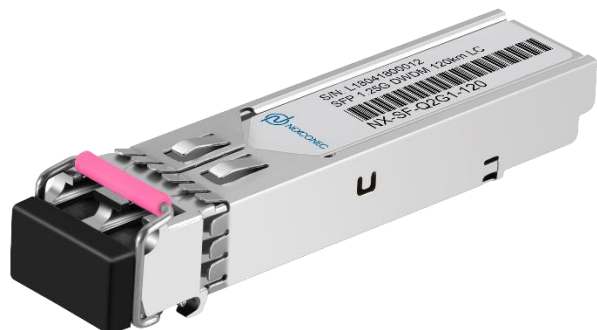


1.25G SFP DWDM TRANSCEIVER



Browse on Mobile

 [Browse on Web](#)

Nexconec SFP DWDM Transceivers are compatible with the Small Form Factor Pluggable Multi-Sourcing Agreement (MSA) and SFF-8472. The transceiver consists of five sections: the LD driver, the limiting amplifier, the digital diagnostic monitor, the DFB laser and the PIN or APD photo-detector.

FEATURES

- ✓ Up to 1.25Gbps Data Links
- ✓ Metal enclosure, for lower EMI
- ✓ Single +3.3V power supply
- ✓ Duplex LC/UPC type pluggable optical interface
- ✓ Wavelength controlled within $\pm 0.1\text{nm}$ over life and temperature
- ✓ Digital diagnostic monitoring
- ✓ Low power dissipation
- ✓ Operating temperature range: Commercial: $-5^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- ✓ RoHS Compliant

APPLICATIONS

- ✓ C Band DWDM networks
- ✓ SONET/SDH networks
- ✓ Fiber channel
- ✓ Gigabit Ethernet

WAVELENGTH SELECTION

Channel	Wavelength (nm)	Frequency (THZ)	Channel	Wavelength (nm)	Frequency (THZ)
17	1563.86	191.7	40	1545.32	194.0
18	1563.05	191.8	41	1544.53	194.1
19	1562.23	191.9	42	1543.73	194.2
20	1561.42	192.0	43	1542.94	194.3
21	1560.61	192.1	44	1542.14	194.4
22	1559.79	192.2	45	1541.35	194.5
23	1558.98	192.3	46	1540.56	194.6
24	1558.17	192.4	47	1539.77	194.7
25	1557.36	192.5	48	1538.98	194.8
26	1556.55	192.6	49	1538.19	194.9
27	1555.75	192.7	50	1537.40	195.0
28	1554.94	192.8	51	1536.61	195.1
29	1554.13	192.9	52	1535.82	195.2
30	1553.33	193.0	53	1535.04	195.3
31	1552.52	193.1	54	1534.25	195.4
32	1551.72	193.2	55	1533.47	195.5
33	1550.92	193.3	56	1532.68	195.6
34	1550.12	193.4	57	1531.90	195.7
35	1549.32	193.5	58	1531.12	195.8
36	1548.51	193.6	59	1530.33	195.9
37	1547.72	193.7	60	1529.55	196.0
38	1546.92	193.8	61	1528.77	196.1
39	1546.12	193.9	-	-	-

SPECIFICATIONS

Part Number	Package	Data Rate	Wavelength	Reach	TX	RX	Connector	TX Power	RX Sensitivity
NX-SF-Q2G1-20	SFP	1.25G	* C17-C61	20km	DFB DWDM	PIN	LC	0~4dBm	-26dBm
NX-SF-Q2G1-40	SFP	1.25G	* C17-C61	40km	DFB DWDM	PIN	LC	0~4dBm	-26dBm
NX-SF-Q2G1-80	SFP	1.25G	* C17-C61	80km	DFB DWDM	PIN	LC	0~4dBm	-26dBm
NX-SF-Q2G1-120	SFP	1.25G	* C17-C61	120km	DFB DWDM	APD	LC	0~5dBm	-30dBm

ORDER INFORMATION

Part Number	Product Description
NX-SF-Q2G1-20AA-xx	1.25G SFP DWDM Transceiver LC Duplex **AA nm 20km
NX-SF-Q2G1-40AA-xx	1.25G SFP DWDM Transceiver LC Duplex **AA nm 40km
NX-SF-Q2G1-80AA-xx	1.25G SFP DWDM Transceiver LC Duplex **AA nm 80km
NX-SF-Q2G1-120AA-xx	1.25G SFP DWDM Transceiver LC Duplex **AA nm 120km

Notes

1. * Please select one single wavelength in the wavelength range for each transmitting distance.
2. **AA represents the working wavelength (Channel Number) which is selected.
3. Where "xx" denotes compatibility short codes. (xx = CI for Cisco, xx = DL for DELL etc.)
4. Compatible Short codes are as follows:

Short codes	Value	Short codes	Value
CI	Cisco	HW	Huawei
ML	Mellanox	DK	D-Link
MK	Mikrotik	HC	H3C
JP	Juniper	CN	Ciena
BR	Brocade	EC	Edge-Core
DL	DELL	AL	Alcatel-Lucent
FT	Fortinet		