

SFP BiDi TRANSCEIVER



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Nexconec SFP BiDi transceivers data range from 100Mb/s to 1.25Gb/s, maximum distance is 120km, commercial and industrial operating temperature optional.

FEATURES

- ✓ Up to 1.25Gbps bi-directional data links
- ✓ BiDi LC/UPC type pluggable optical interface
- ✓ Hot-pluggable SFP footprint
- ✓ Metal enclosure, for lower EMI
- ✓ DDM function available with internally calibrated mode
- ✓ Compatible with RoHS
- ✓ +3.3V single power supply
- ✓ Operating case temperature: Standard: -5 to +70°C, Industrial: -40 to +85°C

APPLICATIONS

- ✓ Gigabit Ethernet, Gigabit Fiber Channel, Access Network

SPECIFICATIONS

Part Number	Package	Data Rate	Wavelength	Reach	TX	RX	Connector	TX Power	RX Sensitivity
NX-SFBL-35G1-03-xx	SFP	1.25G	1310/1550nm	3km	FP	PIN	LC	-11~-3dBm	-20dBm
NX-SFBL-53G1-03-xx	SFP	1.25G	1550/1310nm	3km	FP	PIN	LC	-11~-3dBm	-20dBm
NX-SFBL-34G1-10-xx	SFP	1.25G	1310/1490nm	10km	FP	PIN	LC	-10~-3dBm	-23dBm
NX-SFBL-43G1-10-xx	SFP	1.25G	1490/1310nm	10km	DFB	PIN	LC	-10~-3dBm	-23dBm
NX-SFBL-35G1-10-xx	SFP	1.25G	1310/1550nm	10km	FP	PIN	LC	-10~-3dBm	-23dBm
NX-SFBL-53G1-10-xx	SFP	1.25G	1550/1310nm	10km	DFB	PIN	LC	-10~-3dBm	-23dBm
NX-SFBL-34G1-20-xx	SFP	1.25G	1310/1490nm	20km	FP	PIN	LC	-9~-3dBm	-23dBm
NX-SFBL-43G1-20-xx	SFP	1.25G	1490/1310nm	20km	DFB	PIN	LC	-9~-3dBm	-23dBm
NX-SFBL-35G1-20-xx	SFP	1.25G	1310/1550nm	20km	FP	PIN	LC	-9~-3dBm	-23dBm
NX-SFBL-53G1-20-xx	SFP	1.25G	1550/1310nm	20km	DFB	PIN	LC	-9~-3dBm	-23dBm
NX-SFBL-34G1-40-xx	SFP	1.25G	1310/1490nm	40km	DFB	PIN	LC	-5~0dBm	-24dBm
NX-SFBL-43G1-40-xx	SFP	1.25G	1490/1310nm	40km	DFB	PIN	LC	-5~0dBm	-24dBm
NX-SFBL-35G1-40-xx	SFP	1.25G	1310/1550nm	40km	DFB	PIN	LC	-5~0dBm	-24dBm
NX-SFBL-53G1-40-xx	SFP	1.25G	1550/1310nm	40km	DFB	PIN	LC	-5~0dBm	-24dBm
NX-SFBL-45G1-80-xx	SFP	1.25G	1490/1550nm	80km	DFB	PIN	LC	0~5dBm	-26dBm
NX-SFBL-54G1-80-xx	SFP	1.25G	1550/1490nm	80km	DFB	PIN	LC	0~5dBm	-26dBm
NX-SFBL-45G1-120-xx	SFP	1.25G	1490/1550nm	120km	DFB	APD	LC	0~5dBm	-31dBm
NX-SFBL-54G1-120-xx	SFP	1.25G	1550/1490nm	120km	DFB	APD	LC	0~5dBm	-31dBm

ORDER INFORMATION

Part Number	Product Description
NX-SFBL-35G1-03-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1310/1550nm) 3km with DDM
NX-SFBL-53G1-03-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1550/1310nm) 3km with DDM
NX-SFBL-34G1-10-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1310/1490nm) 10km with DDM

NX-SFBL-43G1-10-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1490/1310nm) 10km with DDM
NX-SFBL-35G1-10-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1310/1550nm) 10km with DDM
NX-SFBL-53G1-10-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1550/1310nm) 10km with DDM
NX-SFBL-34G1-20-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1310/1490nm) 20km with DDM
NX-SFBL-43G1-20-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1490/1310nm) 20km with DDM
NX-SFBL-35G1-20-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1310/1550nm) 20km with DDM
NX-SFBL-53G1-20-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1550/1310nm) 20km with DDM
NX-SFBL-34G1-40-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1310/1490nm) 40km with DDM
NX-SFBL-43G1-40-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1490/1310nm) 40km with DDM
NX-SFBL-35G1-40-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1310/1550nm) 40km with DDM
NX-SFBL-53G1-40-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1550/1310nm) 40km with DDM
NX-SFBL-45G1-80-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1490/1550nm) 80km with DDM
NX-SFBL-54G1-80-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1550/1490nm) 80km with DDM
NX-SFBL-45G1-120-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1490/1550nm) 120km with DDM
NX-SFBL-54G1-120-xx	SFP BiDi Transceiver, 1.25G LC Simplex (1550/1490nm) 120km with DDM

Notes

- Where (03 = 3km, 10 = 10km etc.) denotes reach in kilometers.
- Add "F" after Transmission Distance at the end in the Part Number for Industrial Grade. (Example: NX-SFBL-43G1-10**F**-xx).
- Where "xx" denotes compatibility short codes. (xx = CI for Cisco, xx = DL for DELL etc.)
- 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		