

SFP SC BiDi TRANSCEIVER



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Nexconec SFP SC BiDi transceivers data range from 100Mb/s to 4.25Gb/s, maximum distance up to 20km, commercial and industrial operating temperature optional.

The transceivers provide serial ID memory contents and diagnostic information about the present operating conditions by the 2-wire serial interface (SCL, SDA).

FEATURES

- ✓ Up to 1.25Gbps bi-directional data links
- ✓ Compliant with SFP MSA and SFF-8472 with single SC receptacle
- ✓ Digital Diagnostic Monitoring: Internal Calibration or External Calibration
- ✓ Compatible with RoHS
- ✓ +3.3V single power supply
- ✓ Operating case temperature: Standard: 0 to +70°C, Industrial: -40 to +85°C

APPLICATIONS

- ✓ SDH and SONET system
- ✓ Fiber Channel
- ✓ Switch to Switch interface
- ✓ Switched backplane applications
- ✓ Router/Server interface
- ✓ Other optical transmission systems

STANDARDS

- ✓ Gigabit Ethernet
- ✓ Compliant with SFF-8472
- ✓ Switched Backplane Applications
- ✓ Router/Server Interface

SPECIFICATIONS

Part Number	Package	Data Rate	Wavelength	Reach	TX	RX	Connector	TX Power	RX Sensitivity
NX-SFBS-35G1-10-xx	SFP	1.25G	1310/1550nm	10km	FP	PIN	SC	-9~-3dBm	-20dBm
NX-SFBS-53G1-10-xx	SFP	1.25G	1550/1310nm	10km	DFB	PIN	SC	-9~-3dBm	-20dBm
NX-SFBS-35G1-20-xx	SFP	1.25G	1310/1550nm	20km	FP	PIN	SC	-9~-3dBm	-20dBm
NX-SFBS-53G1-20-xx	SFP	1.25G	1550/1310nm	20km	DFB	PIN	SC	-9~-3dBm	-20dBm

ORDER INFORMATION

Part Number	Product Description
NX-SFBS-35G1-10-xx	SFP BiDi Transceiver SC Simplex 1310/1550nm 10km
NX-SFBS-53G1-10-xx	SFP BiDi Transceiver SC Simplex 1550/1310nm 10km
NX-SFBS-35G1-20-xx	SFP BiDi Transceiver SC Simplex 1310/1550nm 20km
NX-SFBS-53G1-20-xx	SFP BiDi Transceiver SC Simplex 1550/1310nm 20km

Notes

1. Where (10 = 10km, 20 = 20km etc.) denotes reach in kilometers.
2. Add "F" after Transmission Distance at the end in the Part Number for Industrial Grade. (Example: NX-SFBS-35G1-10F-xx).
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

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

