

## 10G SFP+ BiDi TRANSCEIVER



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Nexconec 10G SFP+ BiDi Transceivers, with Single Fiber Bi-directional interface, support 1 to 11.3GB/s bi-directional data links, 1270nm and 1330nm wavelengths combination, commercial and industrial operating temperature optional.

### FEATURES

- ✓ Supports up to 10.7Gbps bit rates
- ✓ Hot-pluggable SFP+ footprint
- ✓ Compliant with SFP+ MSA and SFF-8472 with single LC receptacle
- ✓ Hot-pluggable
- ✓ Single +3.3V power supply
- ✓ International Class1 laser safety certified
- ✓ Operating temperature range: Commercial: -5°C~+70°C, Industrial: -40°C~+85°C
- ✓ RoHS Compliant

### APPLICATIONS

- ✓ 10Gbps Optical systems, 10GBASE-LR at 10.3125Gbps, 10GBASE-LW at 9.953Gbps, LTE systems, Other Optical links

**SPECIFICATIONS**

Part Number	Package	Data Rate	Wavelength	Reach	TX	RX	Connector	TX Power	RX Sensitivity
NX-XPBL-23G10-10-xx	SFP+	10G	1270/1330nm	10km	DFB	PIN	LC	-6~-1dBm	-14.4dBm
NX-XPBL-32G10-10-xx	SFP+	10G	1330/1270nm	10km	DFB	PIN	LC	-6~-1dBm	-14.4dBm
NX-XPBL-23G10-20-xx	SFP+	10G	1270/1330nm	20km	DFB	PIN	LC	-3~2dBm	-15dBm
NX-XPBL-32G10-20-xx	SFP+	10G	1330/1270nm	20km	DFB	PIN	LC	-3~2dBm	-15dBm
NX-XPBL-23G10-40-xx	SFP+	10G	1270/1330nm	40km	DFB	PIN	LC	0~5dBm	-15dBm
NX-XPBL-32G10-40-xx	SFP+	10G	1330/1270nm	40km	DFB	PIN	LC	0~5dBm	-15dBm
NX-XPBL-23G10-60-xx	SFP+	10G	1270/1330nm	60km	DFB	APD	LC	0~5dBm	-20dBm
NX-XPBL-32G10-60-xx	SFP+	10G	1330/1270nm	60km	DFB	APD	LC	0~5dBm	-20dBm
NX-XPBL-45G10-80-xx	SFP+	10G	1490/1550nm	80km	EML	APD	LC	0~4dBm	-23dBm
NX-XPBL-54G10-80-xx	SFP+	10G	1550/1490nm	80km	EML	APD	LC	-1~3dBm	-23dBm
NX-XPBL-45G10-100-xx	SFP+	10G	1490/1550nm	100km	EML	APD	LC	-1~4dBm	-24dBm
NX-XPBL-54G10-100-xx	SFP+	10G	1550/1490nm	100km	EML	APD	LC	-1~4dBm	-24dBm

**ORDER INFORMATION**

Part Number	Product Description
<b>NX-XPBL-23G10-10-xx</b>	SFP+ BiDi Transceiver, 10G LC Simplex (1270/1330nm) 10km
<b>NX-XPBL-32G10-10-xx</b>	SFP+ BiDi Transceiver, 10G LC Simplex (1330/1270nm) 10km
<b>NX-XPBL-23G10-20-xx</b>	SFP+ BiDi Transceiver, 10G LC Simplex (1270/1330nm) 20km
<b>NX-XPBL-32G10-20-xx</b>	SFP+ BiDi Transceiver, 10G LC Simplex (1330/1270nm) 20km
<b>NX-XPBL-23G10-40-xx</b>	SFP+ BiDi Transceiver, 10G LC Simplex (1270/1330nm) 40km
<b>NX-XPBL-32G10-40-xx</b>	SFP+ BiDi Transceiver, 10G LC Simplex (1330/1270nm) 40km

<b>NX-XPBL-23G10-60-xx</b>	SFP+ BiDi Transceiver, 10G LC Simplex (1270/1330nm) 60km
<b>NX-XPBL-32G10-60-xx</b>	SFP+ BiDi Transceiver, 10G LC Simplex (1330/1270nm) 60km
<b>NX-XPBL-45G10-80-xx</b>	SFP+ BiDi Transceiver, 10G LC Simplex (1490/1550nm) 80km
<b>NX-XPBL-54G10-80-xx</b>	SFP+ BiDi Transceiver, 10G LC Simplex (1550/1490nm) 80km
<b>NX-XPBL-45G10-100-xx</b>	SFP+ BiDi Transceiver, 10G LC Simplex (1490/1550nm) 100km
<b>NX-XPBL-54G10-100-xx</b>	SFP+ BiDi Transceiver, 10G LC Simplex (1550/1490nm) 100km

**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-XPBL-23G10-10**F**-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
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		