

# CFPx OVERVIEW

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The tables below list the CFP, CFP2 and CFP4 transceivers and cable assemblies currently provided in the Smartoptics portfolio and with the most characteristic parameters. Please refer to the respective datasheets for more technical information.

## GREY CFP, CFP2 AND CFP4 TRANSCEIVERS

Part number	Protocols	Dist	Wavelengths	Fiber	Conn	Standard / MSA	Pwr budget	FEC	Datasheet
SO-CFP-SR10	100GE	150m	10x 850nm	MM	1x MPO	100GBASE-SR10	1.9dB	No	<a href="#">Datasheet</a>
SO-CFP-LR4	100GE / OTU4	10km	1296/1300/1304/1309nm	SM	2x LC	100GBASE-LR4 OTU4 4I1-9D1F	6.3dB	No	<a href="#">Datasheet</a>
SO-CFP-ER4	100GE / OTU4	40km	1296/1300/1304/1309nm	SM	2x LC	100GBASE-ER4 OTU4 4L1-9C1F	18dB	No	<a href="#">Datasheet</a>
SO-CFP2-LR4	100GE / OTU4	10km	1296/1300/1304/1309nm	SM	2x LC	100GBASE-LR4 OTU4 4I1-9D1F	6.3dB	No	<a href="#">Datasheet</a>
SO-CFP2-ER4	100GE / OTU4	40km	1296/1300/1304/1309nm	SM	2x LC	100GBASE-ER4 OTU4 4L1-9C1F	18dB	No	<a href="#">Datasheet</a>
SO-CFP4-SR4	100GE	100m	4x 850nm	MM	1x MPO	100GBASE-SR4	1.9dB	Yes	<a href="#">Datasheet</a>
SO-CFP4-LR4	100GE / OTU4	10km	1296/1300/1304/1309nm	SM	2x LC	100GBASE-LR4 OTU4 4I1-9D1F	6.3dB	No	<a href="#">Datasheet</a>
SO-CFP-40GBase-LR4	40GE, OTU3 STM-256/OC-768	10km	1271/1291/1311/1331nm	SM	2x LC	40GBASE-LR4	6.7dB	No	<a href="#">Datasheet</a>
SO-CFP-40GBase-LR4-20	40GE		1271/1291/1311/1331nm	SM	2x LC	40GBASE-LR4	10.7dB	No	<a href="#">Datasheet</a>

Dist: Typical distance, normally based on dispersion properties.

Pwr budget: Difference between average min Tx power and Rx sensitivity. Dispersion/path penalties not taken into account.

FEC: If FEC is required in host equipment for performance @ 100GE. The OTU4 frame includes FEC.

## DWDM CFP TRANSCEIVERS

Part number	Protocols	Dist	Wavelengths	Fiber	Conn	Standard / MSA	Pwr budget	FEC	Datasheet
SO-CFP-LPC-DWDM	100GE	2400km	Tunable D9125 – D9610	SM	2x LC	-	25dB	No	<a href="#">Datasheet</a>
SO-CFP-C-DWDM	100GE	2000km	Tunable D9125 – D9610	SM	2x LC	-	22dB	No	<a href="#">Datasheet</a>

Both transceivers use coherent DPQPSK modulation.

## QSFP28 CABLE ASSEMBLIES

Part number	Protocols	Lengths	Type	Connectors	Datasheet
SO-CFP2-QSFP28-xM	100GE	1m – 3m	DAC, Active	CFP2 ↔ QSFP28	<a href="#">Datasheet</a>
SO-CFP2-QSFP28-xM-2	100GE	1m – 3m	DAC, Active	CFP2 ↔ QSFP28	<a href="#">Datasheet</a>