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FS 10G Optics-to-Optics Interoperability Matrix

Interoperability

FS transceivers and cables are based on industry standards and/or Multi-Source Agreements (MSA) and therefore interoperable with the relevant standards and MSA transceivers. Guidance on the interoperability of the FS 10G transceivers is detailed in Table 1.

Table 1 shows the interoperability of 10G modules.

Table 1. 10G Transceiver Interoperation and Link Reach

Transceiver Interoperability				
Transceiver Product ID	Transceiver/Standard	Notes	Interop Reach (up to)	Breakout Patchcord Required
SFP-10GMELR-31-I	SFP-10GMELR-31-I	-	No FEC: 20km	-
SFP-10GER-31	SFP-10GER-31	-	No FEC: 40km	-
SFP-10GER-55-I	SFP-10GER-55-I	-	No FEC: 40km	-
SFP-10GLR-31	SFP-10GLR-31	-	No FEC: 10km	-
	QSFP-PLR4-40G	Breakout MMF patchcord: MTP/MPO-8 to 4X LC Duplex. For cabling guides, see https://www.fs.com/products/68048.html	No FEC: 10km	Y
	QSFP-PIR4-40G	Breakout MMF patchcord: MTP/MPO-8 to 4X LC Duplex. For cabling guides, see https://www.fs.com/products/68048.html	No FEC: 2km	Y
SFP-10GLRL-31-I	SFP-10GLRL-31-I	-	No FEC: 2km	-
SFP-10GLRM-31	SFP-10GLRM-31	-	No FEC: 220m	-
SFP-10GSR-85	SFP-10GSR-85	-	No FEC: 300m	-
	SFP-10GSR-85-I	-	No FEC: 300m	-
	QSFP-SR4-40G	Breakout MMF patchcord: MTP/MPO-12 to 4X LC Duplex. For cabling guides, see https://www.fs.com/products/68047.html	No FEC: 150m	Y
SFP-10GSR-85-I	SFP-10GSR-85-I	-	No FEC: 300m	-
	SFP-10GSR-85	-	No FEC: 300m	-
SFP-10GZR-55	SFP-10GZR-55-I	-	No FEC: 80km	-
	SFP-10GZR-55	-	No FEC: 80km	-

Transceiver Interoperability				
Transceiver Product ID	Transceiver/Standard	Notes	Interop Reach (up to)	Breakout Patchcord Required
SFP-10GZR-55-I	SFP-10GZR-55	-	No FEC: 80km	-
	SFP-10GZR-55-I	-	No FEC: 80km	-
SFP-10GZR100-55	SFP-10GZR100-55	-	No FEC: 100km	-
	SFP-10GZR100-55I	-	No FEC: 100km	-
SFP-10GZR100-55I	SFP-10GZR100-55I	-	No FEC: 100km	-
	SFP-10GZR100-55	-	No FEC: 100km	-
SFP-10G-BX	SFP-10G-BX	-	No FEC: 10km	-
	SFP-10G-BX-I	-	No FEC: 10km	-
SFP-10G-BX-I	SFP-10G-BX-I	-	No FEC: 10km	-
	SFP-10G-BX	-	No FEC: 10km	-
SFP-10G-BX40	SFP-10G-BX40	-	No FEC: 40km	-
	SFP-10G-BX40-I	-	No FEC: 40km	-
SFP-10G-BX40-I	SFP-10G-BX40	-	No FEC: 40km	-
	SFP-10G-BX40-I	-	No FEC: 40km	-
SFP-10G-BX60	SFP-10G-BX60	-	No FEC: 60km	-
	SFP-10G-BX60-I	-	No FEC: 60km	-
SFP-10G-BX60-I	SFP-10G-BX60-I	-	No FEC: 60km	-
	SFP-10G-BX60	-	No FEC: 60km	-
SFP-10G-BX80	SFP-10G-BX80	-	No FEC: 80km	-
SFP-10G-BX100	SFP-10G-BX100	-	No FEC: 100km	-
CWDM-SFP10G-10M	CWDM-SFP10G-10M	-	No FEC: 10km	-
CWDM-SFP10G-10SP	CWDM-SFP10G-10SP	-	No FEC: 10km	-

Transceiver Interoperability				
Transceiver Product ID	Transceiver/Standard	Notes	Interop Reach (up to)	Breakout Patchcord Required
CWDM-SFP10G-20L	CWDM-SFP10G-20L	-	No FEC: 20km	-
CWDM-SFP10G-20S	CWDM-SFP10G-20S	-	No FEC: 20km	-
CWDM-SFP10G-20SP	CWDM-SFP10G-20SP	-	No FEC: 20km	-
CWDM-SFP10G-40-I	CWDM-SFP10G-40-I	-	No FEC: 40km	-
CWDM-SFP10G-40L	CWDM-SFP10G-40L	-	No FEC: 40km	-
CWDM-SFP10G-40S	CWDM-SFP10G-40S	-	No FEC: 40km	-
CWDM-SFP10G-80-I	CWDM-SFP10G-80-I	-	No FEC: 80km	-
CWDM-SFP10G-80L	CWDM-SFP10G-80L	-	No FEC: 80km	-
DWDM-SFP10G-40	DWDM-SFP10G-40	-	No FEC: 40km	-
DWDM-SFP10G-40-I	DWDM-SFP10G-40-I	-	No FEC: 40km	-
DWDM-SFP10G-80	DWDM-SFP10G-80	-	No FEC: 80km	-
DWDM-SFP10G-80-I	DWDM-SFP10G-80-I	-	No FEC: 80km	-
DWDM-SFP10G-C	DWDM-SFP10G-C	-	No FEC: 80km	-
CWDM-XFP10G-10SP	CWDM-XFP10G-10SP	-	No FEC: 10km	-
CWDM-XFP10G-20S	CWDM-XFP10G-20S	-	No FEC: 20km	-
CWDM-XFP10G-20SP	CWDM-XFP10G-20SP	-	No FEC: 20km	-
CWDM-XFP10G-40M	CWDM-XFP10G-40M	-	No FEC: 40km	-
CWDM-XFP10G-40SP	CWDM-XFP10G-40SP	-	No FEC: 40km	-
CWDM-XFP10G-80L	CWDM-XFP10G-80L	-	No FEC: 80km	-
DWDM-XFP10G-100	DWDM-XFP10G-100	-	No FEC: 100km	-
DWDM-XFP10G-40	DWDM-XFP10G-40	-	No FEC: 40km	-
DWDM-XFP10G-80	DWDM-XFP10G-80	-	No FEC: 80km	-

Transceiver Interoperability				
Transceiver Product ID	Transceiver/Standard	Notes	Interop Reach (up to)	Breakout Patchcord Required
DWDM-XFP10G-C	DWDM-XFP10G-C	-	No FEC: 80km	-
DWDM-XFP10GH-40	DWDM-XFP10GH-40	-	No FEC: 40km	-
DWDM-XFP10GH-80	DWDM-XFP10GH-80	-	No FEC: 80km	-
X2-10GER-55	X2-10GER-55	-	No FEC: 40km	-
X2-10GLR-31	X2-10GLR-31	-	No FEC: 10km	-
X2-10GSR-31	X2-10GSR-31	-	No FEC: 220m	-
X2-10GSR-85	X2-10GSR-85	-	No FEC: 300m	-
X2-10GZR-55	X2-10GZR-55	-	No FEC: 80km	-
XFP-10G-BX	XFP-10G-BX	-	No FEC: 10km	-
XFP-10G-BX40	XFP-10G-BX40	-	No FEC: 40km	-
XFP-10G-BX60	XFP-10G-BX60	-	No FEC: 60km	-
XFP-10G-BX80	XFP-10G-BX80	-	No FEC: 80km	-
XFP-10GER-55	XFP-10GER-55	-	No FEC: 40km	-
XFP-10GLR-31	XFP-10GLR-31	-	No FEC: 10km	-
XFP-10GLRM-31	XFP-10GLRM-31	-	No FEC: 2km	-
XFP-10GSR-85	XFP-10GSR-85	-	No FEC: 300m	-
XFP-10GZR-55	XFP-10GZR-55	-	No FEC: 80km	-
XFP-10GZRC-55	XFP-10GZRC-55	-	No FEC: 100km	-
XPK-10GER-55	XPK-10GER-55	-	No FEC: 40km	-
XPK-10GLR-31	XPK-10GLR-31	-	No FEC: 10km	-
XPK-10GSR-85	XPK-10GSR-85	-	No FEC: 300m	-
XPK-10GZR-55	XPK-10GZR-55	-	No FEC: 80km	-

Transceiver Interoperability				
Transceiver Product ID	Transceiver/Standard	Notes	Interop Reach (up to)	Breakout Patchcord Required
SFP-10GZR120-55	SFP-10GZR120-55	-	No FEC: 120km	-

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