

Cisco TM Compatible 40G QSFP+ Module Specifications

Fiberdyne Part Number	Product Description	Data Rate (Gbit/s)	Reach	TX	RX	TX_Min (dBm)	TX_Max (dBm)	RX Sensitivity (dBm)	Power Consumption	Operating Temperature (deg C)
FDN-QSFP+SR4	QSFP+ SR4	40G	100M	850nm VCSEL	PIN	-7.6	1	-9.5	<1.5w	0-70
FDN-QSFP+ESR4	QSFP+ eSR4	40G	300M	850nm VCSEL	PIN	-7.3	1	-9.9	<1.5w	0-70
FDN-QSFP+IR4	QSFP+ IR4	40G	2km	DFB CWDM	PIN	-7	2.3	-11.7	<3.5w	0-70
FDN-QSFP+LR4	QSFP+ LR4	40G	10km	DFB CWDM	PIN	-7	2.3	-13.7	<3.5w	0-70
FDN-QSFP+ER4	QSFP+ ER4	40G	30km	DFB CWDM	APD	-3.7	4.5	-20.2	<3.5w	0-70
FDN-QSFP+IR4 PSM	QSFP+ PSM IR4	40G	1.4km	1310nm FP	PIN	-5.5	1.5	-11.5	<3.5w	0-70
FDN-QSFP+LR4 PSM	QSFP+ PSM LR4	40G	10km	1310 DFB	PIN	-5.5	1.5	-12.6	<3.5w	0-70

Cisco TM Compatible 10G XFP Module Specifications

Fiberdyne Part Number	Product Description	Data Rate (Gbit/s)	Reach	TX	RX	TX_Min (dBm)	TX_Max (dBm)	RX Sensitivity (dBm)	Power Consumption	Operating Temperature (deg C)
FDN-XFP-10G-SR	XFP SR	10G	33/82/300m	850nm VCSEL	PIN	-6.5	-1	-11.1	<1.5w	0-70
FDN-XFP-10G-LR	XFP LR SONET	10G	10km	1310 DFB	PIN	-6	-1	-14.6	<1.8w	0-70
FDN-XFP-10G-ER	XFP ER	10G	40km	1550 EML	PIN	-3	3	-15.8	<3.5w	0-70
FDN-XFP-10G-ZR	XFP ZR	10G	80km	1550 EML	APD	0	4	-24	<3.5w	0-70
FDN-XFP-10G-BX-D-LR20	XFP BIDI 20km	10G	20km	DFB (1330nm)	PIN	-5.2	0.5	-14.6	<3.5w	-40_85
FDN-XFP-10G-BX-U-LR20	XFP BIDI 20km	10G	20km	DFB (1270nm)	PIN	-5.2	0.5	-14.6	<3.5	-40_85
FDN-XFP-10G-BX-D-LR40	XFP BIDI 40km	10G	40km	DFB (1330nm)	PIN	0	5	-18	<3.5w	0-70
FDN-XFP-10G-BX-U-LR40	XFP BIDI 40km	10G	40km	DFB (1270nm)	PIN	0	5	-18	<3.5w	0-70
FDN-XFP-CWDM-XXXX-40KM	XFP CWDM ER	10G	40km	EML (XXXX=1470-1610)	PIN	-3	3	-15.8	<3.5w	0-70
FDN-XFP-CWDM-XXXX-80KM	XFP CWDM ZR	10G	70km	EML (XXXX=1470-1610)	APD	0	4	-24	<3.5w	0-70
FDN-XFP-DWDM-XXXX-40KM	XFP DWDM ER	10G	40km	EML (XX=21-59)	PIN	-3	3	-15.8	<3.5w	0-70
FDN-XFP-DWDM-XXXX-80KM	XFP DWDM ZR	10G	70km	EML (XX=21-59)	APD	0	4	-24	<3.5w	0-70

Cisco TM Compatible 10G SFP+ Module Specifications

Fiberdyne Part Number	Product Description	Data Rate (Gbit/s)	Reach	TX	RX	TX_Min (dBm)	TX_Max (dBm)	RX Sensitivity (dBm)	Power Consumption	Operating Temperature (deg C)
FDN-SFP-10G-SR	SFP+ SR	10G	33/82/300m	850VCSEL	PIN	-6.5	-1	-11.1	<1w	0-70
FDN-SFP-10G-LRM	SFP+ LRM	10G	100/220m	1310 FP	PIN	-6.5	0.5	-6.5	<1w	0-70
FDN-SFP-10G-LR	SFP+ LR	10G	10km	1310DFB	PIN	-8.2	0.5	-14.4	<1w	0-70
FDN-SFP-10G-ER	SFP+ ER	10G	40km	1550 EML	PIN	-3	3	-15.8	<1.5w	0-70
FDN-SFP-10G-ZR	SFP+ ZR	10G	80km	1550 EML	APD	0	4	-24	<1.5w	0-70
FDN-SFP-10G-BX-D-LR20	SFP+ BIDI 20km	10G	20km	DFB (1330nm)	PIN	-5.2	0.5	-14.4	<1w	-40_85
FDN-SFP-10G-BX-U-LR20	SFP+ BIDI 20km	10G	20km	DFB (1270nm)	PIN	-5.2	0.5	-14.4	<1w	-40_85
FDN-SFP-10G-BX-D-LR40	SFP+ BIDI 40km	10G	40km	DFB (1330nm)	PIN	0	5	-18	<1.2w	0-70
FDN-SFP-10G-BX-U-LR40	SFP+ BIDI 40km	10G	40km	DFB (1270nm)	PIN	0	5	-18	<1.2w	0-70
FDN-SFP-CWDM-XXXX-10KM	SFP+ CWDM LR	10G	10km	EML (XXXX=1270-1610)	PIN	-1	-3	-15	<1.4w	0-70
FDN-SFP-CWDM-XXXX-40KM	SFP+ CWDM ER	10G	40km	EML (XXXX=1470-1610)	PIN	-3	3	-15.8	<1.5w	0-70
FDN-SFP-CWDM-XXXX-70KM	SFP+ CWDM ZR	10G	70km	EML (XXXX=1470-1610)	APD	0	4	-24	<1.5w	0-70
FDN-SFP-CWDM-XXXX-40KM	SFP+ CWDM ER	10G	40km	EML (XX=21-59)	PIN	-3	3	-16.4	<1.5w	0-70
FDN-SFP-CWDM-XXXX-80KM	SFP+ CWDM ZR	10G	80km	EML (XX=21-59)	APD	0	4	-24	<1.5w	0-70