

QSFP56-DD 400G

Product Guide

QSFP56-DD 400G										
Part Number	Wavelength per Lane (nm)		Media	Reach	Description	Avg. TX Power/Lane (dBm)		Avg. RX Power/Lane (dBm)		Max Power (watts)
						[min]	[max]	[min]	[max]	
QSFP56-DD-SR4.2	850		MMF	100m (OM3)	QSFP56-DD, 850nm, BiDi SR4.2 MMF 100m MPO-12, 400G DDM	-6.5	4	-8.4	4	12
QSFP56-DD-SR8	850		MMF	70m (OM3)	QSFP56-DD, 850nm, SR8 MMF 70/100m, MPO16, 400G DDM	-6	4	-7.9	4	12
				100m (OM4)						
QSFP56-DD-DR4	1310		SMF	500m	QSFP56-DD, 1310nm, DR4 SMF 500m, 4x100G MPO12 DDM	-2.9	4	-5.9	4	12
QSFP56-DD-DR4+	1310		SMF	2km	QSFP56-DD, 1310nm, DR4 SMF 2km, 4x100G MPO12 DDM	-3.1	4	-7.1	4	12
QSFP56-DD-DR4++	1310		SMF	10km	QSFP56-DD, 1310nm, DR4 SMF 10km, 4x100G MPO12 DDM	-1.9	4.8	-8.2	4.8	12
QSFP56-DD-FR4	L0	1271	SMF	2km	QSFP56-DD, 1310nm, FR4 SMF 2km, 400G DDM, LC-Duplex connector	-3.3	3.5	-7.3	3.5	12
	L1	1291								
	L2	1311								
	L3	1331								
QSFP56-DD-LR4	L0	1271	SMF	10km	QSFP56-DD, 1310nm, LR4 SMF 10km, 400G DDM, LC-Duplex connector	-2.7	5.1	-9	5.1	12
	L1	1291								
	L2	1311								
	L3	1331								
QSFP56-DD-ER4L	L0	1295	SMF	30km	QSFP56-DD, 1310nm, ER4L SMF 30km, 400G DDM, LC-Duplex connector	-0.4	6.5	-9	-2.4	12
	L1	1300								
	L2	1305								
	L3	1310								

400G-DAC (Copper Cable)

Cable Type	Description	Lengths
QSFP56-DD to QSFP56-DD	QSFP56-DD to QSFP56-DD, CR4 400G, Xm Passive Copper Cable	up to 3m
QSFP56-DD to 2xQSFP56	QSFP56-DD to 2xQSFP56 (200G), CR4 400G, Xm Passive Copper Cable	up to 3m
QSFP56-DD to 4xQSFP56	QSFP56-DD to 4xQSFP56 (100G), CR4 400G, Xm Passive Copper Cable	up to 3m
QSFP56-DD to 8xQSFP56	QSFP56-DD to 8xQSFP56 (50G), CR4 400G, Xm Passive Copper Cable	up to 3m

400G-AOC (Fiber Cable)

Cable Type	Description	Lengths
QSFP56-DD to QSFP56-DD	QSFP56-DD to QSFP56-DD, SR8 400G, Xm Active Optical Cable	up to 50m
QSFP56 to 2xQSFP56	QSFP56-DD to 2xQSFP56 (200G), SR8 400G, Xm Active Optical Cable	up to 50m
QSFP56 to 4xQSFP56	QSFP56-DD to 4xQSFP56 (100G), SR8 400G, Xm Active Optical Cable	up to 50m