



MxN Matrix Optical Switch

MxN Matrix Optical Switches allow simultaneous connection between M inputs and N output fibers, in a fully non-blocking, all-optical, cross-connect configuration. MxN Matrix optical switches are useful to add redundancy to an optical network, or for resource sharing in test & measurement applications. Gezhi Photonics can produce customized MxN channel of matrix optical switch.

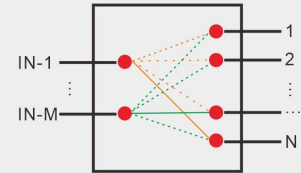
Module



Rackmount



Optical Path



Technical Index

Parameter	Unit	2x4	2x8	2x12	2x16	2x24	2x32	2x64	4x4	8x8	16x16
Wavelength Range	nm	1260~1650									
Testing Wavelength	nm	1310/1550									
Insertion Loss	dB	≤1.5	≤1.5	≤1.5	≤1.5	≤1.8	≤1.8	≤2.0	≤1.8	≤1.8	≤1.8
Return Loss	dB	SM ≥ 50									
Crosstalk	dB	≤-70									
PDL	dB	≤0.05									
WDL	dB	≤0.25									
TDL	dB	≤0.25									
Repeatability	dB	≤0.02									
Lifetime	times	> 10 ⁷									
Switching Time	ms	≤8 (Adjacent Channel)									
Optical Power	mW	≤500									
Control Mode	/	TTL or Customized									
Operating Temperature	°C	-10~+55									
Storage Temperature	°C	-40~+85									
Module type	mm	135x	220x	220x	220x	220x	220x	300x30	173x	300x	300x30
Dimensions		64x32	204x48	204x48	204x48	204x78	204x78	0x120	71x20	300x80	0x120

Ordering Information OSW-XxX-X-XX-X--X-XX-XX-XX

OSW	Mode	Wavelength	Package	Fiber Type	Fiber Length	Connector
2x4	S=SM	85=850nm	M=Module	M5=50/125	05=0.5meter	FP=FC/UPC
2x8	M=MM	13=1310nm	S=Specify	M6=62.5/125	10=1.0meter	FA=FC/APC
4x4		15=1550nm		09=9/125		SP=SC/UPC
4x16		85/13=850/1300		S=Specify		SA=SC/APC
8x8		13/15=1310/1550nm				LP=LC/UPC
16x16		S=Specify				LA=LC/APC
S=Specify						S=Specify