Rack-mounted Optical Switch

➢ Features

·Low loss, High Reliability, High Stability
·LCD Display
·RS232 and Ethernet Interface

➢ Applications

·Ring network
·Testing of fiber, optical component
·Optical network auto-monitor

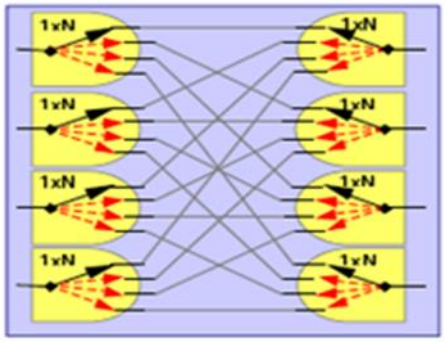
N×N rack-mounted optical switch can be manually selected from front panel or control via RS232 port, Ethernet port. It can be controlled to switch step by step or set scanning automatically in certain frequency. In optical fiber transmission system, it is used for multi-channel fiber monitoring, multi light source/ detector selection, and optical fiber path protection etc. Besides, it is also used in optical fiber test system for optical fiber and its component test, outdoor cable test and multi-spot optical sensors monitoring system.

➢ Specifications

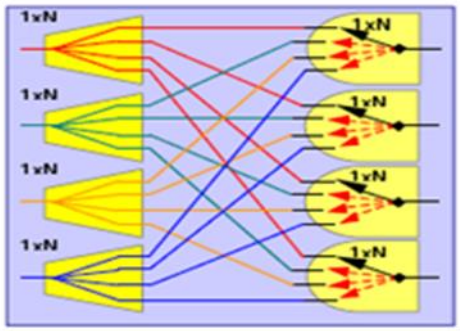
Parameters	Unit	OSW-N×N-U		
Wavelength Range	nm	850±40 / 1300±40	1260 ~ 1650	
Test Wavelength	nm	850 / 1300	1310 / 1550	
Insertion Loss	dB	Typ:1.8 Max:2.0		
Return loss	dB	SM≥55、MM≥30		
Crosstalk	dB	≥55		
PDL	dB	≤0.05		
WDL	dB	≤0.25		
TDL	dB	≤0.25		
Repeatability	dB	≤ ±0.05		
Durability	Times	10^7		
Optical Power	mW	≤500		
Switching Time	ms	≤30		
Operating	°C	-20~+80		
Storage temperature	°C	-40~+85		
Relative Humidity	%	5 ~ 95		
Supervision interface		RJ45 and RS232(or RS-485)		
Power supply	V	AC 85-264V,50/60Hz or DC(36-72)V		
Size		1U&4X4	2U&8X8	4U&16X16

customization is available

➢ Optical path connection diagram



NXN Directional Matrix
(Non-blocking OXC)



NXN Distributive Matrix
(Broadcast Switch)

➢ **Ordering Information: OSW—N×N—A—B—C—D—E**

N	A	B	C	D	E	
Channel	Type	Mode	Test Wavelength	Voltage Type	Connector	Dimension
1~16	1: NXN Directional Matrix (Non-blocking OXC) 2: NXN Distributive Matrix (Broadcast Switch)	SM: SM, 9/125 M5: MM, 50/125 M6: MM, 62.5/125 X: Others	850: 850nm 1310: 1310nm 1550: 1550nm 1310/1550:1310/1550 nm X:Others	AC: 85-264V DC: 36-72V AC/ DC: 220V&48V	FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC X: Others	1U: 1U L483×W403×H44 2U: 2U L483×W403×H89 4U : 4U L483×W403×H177 X: Others