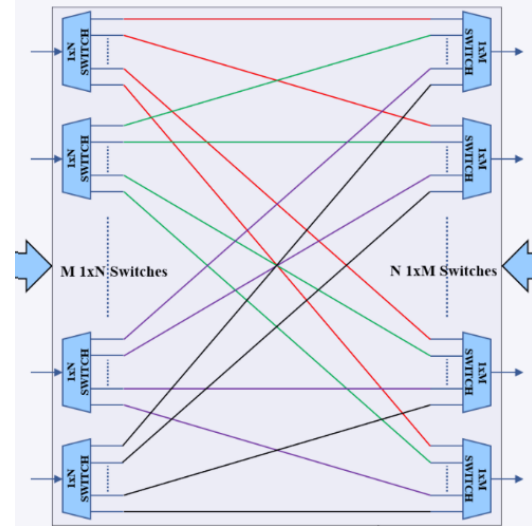
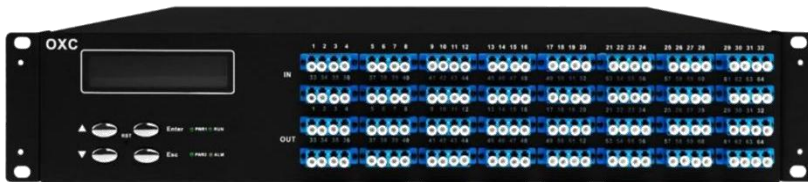


OXC Optical Cross-Connect

The N*M Intelligent Optical Cross-Connect (OXC) device is a product that utilizes an optical switch matrix to achieve optical path switching. The device provides serial and network interfaces, enabling local and remote control through client access. It ultimately achieves strict non-blocking bidirectional cross-connections for N (input)*M (output) optical fiber routes, playing a crucial role in optical communication applications. Optical switches are primarily used for multiple optical monitoring in optical transmission systems, LAN automatic switching for multiple light sources/detectors, and optical sensing in dynamic multi-point monitoring systems. They are also utilized in optical testing systems for fiber, optical devices, network, and field engineering cable testing, as well as in optical device installation and adjustment.



Function	Item	Specification	
Model	OXC	N*M	
Operating Wavelength		SM 1260~1650	MM 850±40
Insertion Loss	dB	4*4 ≤1.6	8*8 ≤1.8
		12*12 ≤2.0	16*16 ≤2.2
		24*24 ≤2.4	32*32 ≤2.6
		48*48 ≤2.8	64*64 ≤3.0
Polarization Loss	dB	16*16 ≤0.35, 64*64 ≤0.6	
Crosstalk	dB	> 50	
Return Loss	dB	> 45	
Wavelength Dependent Loss	dB	16*16 ≤0.6, 64*64 ≤0.8	
Temperature Dependent Loss	dB	16*16 ≤0.6, 64*64 ≤0.8	
Repeatability	dB	±0.1	
Switching Time	ms	<20	
Latching Type		Non-latching	
Max Input Optical Power	dBm	27	
Switching Lifetime	Times	≥1*10 ⁹	

Optical Interface		LC/UPC
Operating Power Supply		AC: 85~264V(50/60Hz) or DC: -72~ -36V
Operating Temperature		+5°C~ +45°C humidity <85%
Control Interface		RJ45/RS232
Chassis Structure		Integrated rack mount: 2U 442mm(W)×500mm(D)×88mm(H)