

1xN Rackmount Optical Switch

OPTICAL SWITCH FEATURES

- ✓ Low Loss and High Reliability
- ✓ AC/DC Flexible Dual Power Supply
- ✓ Parallel Interface (RS232, RJ45)
- ✓ LCD Display Module for Light Path Status Displays
- ✓ Breakdown Self-checking and Alarm Warning (LCD Display)

OPTICAL SWITCH APPLICATIONS

- Optical Signal Switching and Routing
- Optical Network Monitoring
- Testing of Fiber Optic Component
- Military Communications



1xN Rackmount Optical Switch Specifications

Channel Number (N)	1<N≤64		64<N≤128	
Insertion Loss (dB)	Typ: 0.5; Max:1.0		Typ: 1.0; Max:1.5	
Operating Wavelength (nm)	1260~1650 (SM)	532~1064/1310 (MM)		Custom
Testing Wavelength (nm)	1310/1490/1550/1625	532/650/780/850/980/1310		Custom
Return Loss (dB)	SM (9/125) ≥ 50; MM (50/125, 62.5/125) ≥ 30			
Crosstalk (dB)	SM (9/125) ≥ 70; MM (50/125, 62.5/125) ≥ 70			
Polarization Dependent Loss (dB)	≤0.05			
Wavelength Dependent Loss (dB)	≤0.25			
Temperature Dependent Loss (dB)	≤0.25			
Repeatability (dB)	≤0.02			
Lifetime (cycles)	10 ⁷			
Switching Time (ms)	≤10 (adjacent channel)			
Optical Input Power (mW)	≤500			
Working Voltage (V)	AC 85-256V (Typ. 110V, 220V), DC 36-72V (Typ. 48V), or Dual Power Supply			
Operating Temperature (°C)	0 ~ +70			
Storage Temperature (°C)	-40 ~ +85			
Dimension / Channel Number (mm/N)	1U: 483 x 250 x 44.5	2U: 483 x 250 x 89	3U: 483 x 250 x 133.5	4U: 483 x 250 x 178

Notes:

1. Above data are test results with connectors assembled.
2. Specifications are customizable and subject to change without notice.
3. For product customization or special requirement, please contact our sales representative.



Optical Components, Fiber Optic Devices, Modules, and more.

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Ordering Information

	Port/Channel Number	Test Wavelength	Fiber Type	Pigtail	Rack Mount	Connector
Rack-mount Optical Switch	1~128	850 nm	9/125 (SM)	250 µm	1U	None
		1310 nm	50/125 (MM)	900 µm	2U	LC/PC
		1550 nm	62.5/125 (MM)	Custom ...	3U	LC/APC
		1310/1550 nm	Custom ...		4U	SC/PC
		Custom ...			Custom ...	SC/APC
					FC/APC	
						Custom ...

