1×N rack type optical switch is a kind of optical path control equipment, which can realize the function of switching optical path.The product can manually select and switch the working optical path through the panel button, or control the optical path switch through the RS232 serial port and Ethernet port or set the frequency to automatically scan the optical path that needs to be monitored and switched.In the optical communication project, it is mainly applied to: multi-channel optical monitoring in the optical transmission system, LAN multi-light source/detector automatic switching and optical sensing multi-point dynamic monitoring system;Optical testing system for optical fiber, optical devices, network and field engineering optical cable testing;Optical device assembly and adjustment.

Features

- Low loss and high reliability
- The LCD displays the working optical path directly
- Standard RS232 serial port, Ethernet interface

Applications

- Optical fiber loop
- Automatic measurement
- Optical fiber network remote monitoring

Specification

Type no.	unit	HC-FSW-1×N-U			
Insertion loss	dB	1<N≤12	16<N≤32	32<N≤64	64<N≤128
		Typ:1.0	Typ:1.2 Max:1.4	Typ:1.4	Typ:1.8
Working wavelength (optional)	nm	532~980		1260~1650	
Test wavelength (optional)	nm	650/780/850/980		1310/1490/1550/1625/1650	
Return loss	dB	SM≥50、MM≥30			
Channel crosstalk	dB	SM≥55、MM≥35			
Polarization dependent loss	dB	≤0.05			
Wavelength dependent loss	dB	≤0.25			
Temperature dependent loss	dB	≤0.25			
repetitive	dB	≤±0.02			
The service life of the	次	10^7			
Transmitted optical	mW	≤500			
Switch time	ms	≤10（Sequential switch of adjacent channels）			
Working temperature	°C	-10～+50			

Storage temperature	°C	-40~+85
Electrical source	V	AC 85-264V,50/60Hz or DC(36-72)V
Module outline size	mm	1U 长 483×宽 303×高 44 (Up to 16 channels) 2U 长 483×宽 303×高 89 (Up to 6 4channels) More channels can be customized, chassis size can be specially designed

Order Information HC - FSW - 1×N - A - B - C - D - E - F

N	A	B	C	D	E	F
Channel	Package spec	Mode	Wavelength	Voltage Type	Fiber Type	Connector
1~128	1U 2U 3U 4U	S:SM M:MM	85: 850nm 13: 1310nm 14: 1490nm 15: 1550nm 162: 1625nm 165: 1650nm 13/15:1310/1550nm X:Others	AC: 85-264V DC: 36-72V AC/ DC: 220V＆48V	5:50/125、6:62.5/125 9: 9/125 X: Others Internal optical switch module fiber type	FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC STP: ST/PC STA: ST/APC LP: LC/PC LA: LC/APC X: Others