



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



1xN desktop optical switch is a kind of optical path control device, which is used for controlling and switching optical paths. 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.

Specification:

Type	unit	HC-FSW-1×N-T			
Insertion loss	dB	1<N≤12	16<N≤32	32<N≤64	64<N≤128
		Typ:1.0 Max:1.2	Typ:1.2 Max:1.4	Typ:1.4 Max:1.6	Typ:1.8 Max:2.2
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
Life	Times	10 ⁷
Transmitted optical power	mW	≤500
Switch time	ms	≤10 (Sequential switching of adjacent channels)
Working temperature	°C	-10 ~ +50
Storage temperature	°C	-40~+85
Electrical source	V	AC 85-264V,50/60Hz
Overall dimensions	mm	245(W)×110 (H) ×320 (D) mm(> 32 way to custom chassis)

 Order information HC - DESKTOPFSW - 1×N-A - B - C - D - E

N	A	B	C	D	E
Channel	Mode	Wavelength	Voltage Type	Fiber Type	Connector
1~128	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 Type of internal optical switch module fiber	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