

4 Channel 1×2 Optical Switch

FW-OSS-2X1-4-SM-1U



The rack-mounted optical switch consists of 4CH 1X2 optical switches, enabling control over the switching of 4CH 1X2 optical fiber channels. The device is equipped with an Ethernet RJ45 , allowing for control via commands. It plays a crucial role in various optical communication applications including multi-channel optical monitoring in optical transmission systems, LAN multi-light source/detector automatic switching, and dynamic monitoring systems for optical sensors. Additionally, it is utilized in the testing of optical fibers, devices, networks, field engineering cables as well as the installation and adjustment of optical devices.

Features

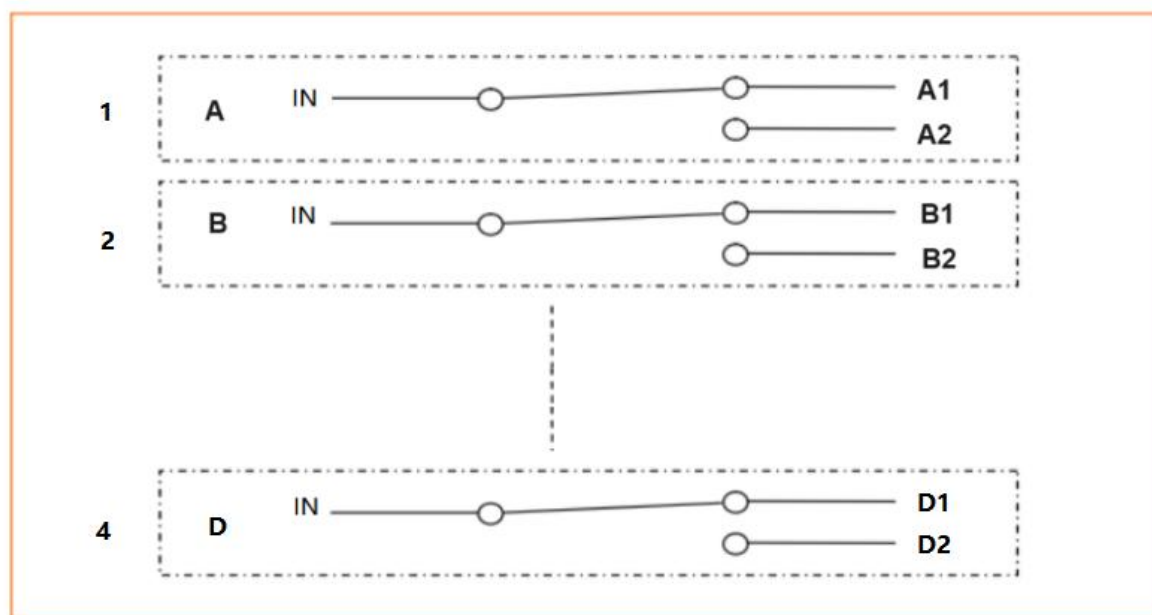
- ◆ Low insertion loss, Fast switching.
- ◆ Ethernet RJ45 Management.
- ◆ Optical path switching can be controlled through network ports.

Specifications

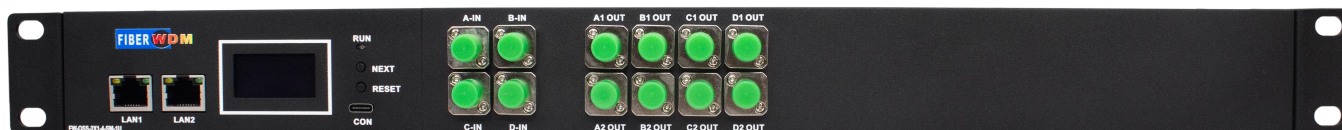
Parameters	Indicators
Channel No.	4CH 1X2
Wavelength Range	1260-1620nm
Test wavelength	1310nm/1550nm
Insertion Loss	≤ 1.2 dB
Repeatability	≤ ±0.02 dB
Return Loss	≥ 30 dB
Crosstalk	≥ 35 dB

Wavelength dependent loss	≤ 0.25 dB
Polarization related loss	≤ 0.05 dB
Switching Time	≤ 12 ms (Adjacent channels)
Fiber Type	SM
Connector	FC\APC
Monitoring Port	RJ45
Working Power Supply	AC: 100~240V
Working Temperature	-10 ~ +60℃
Operating Temperature	-40 ℃ ~ +85 ℃
Size	19 inch standard 1U rack (483 X 230 X 44)

Optical path diagram

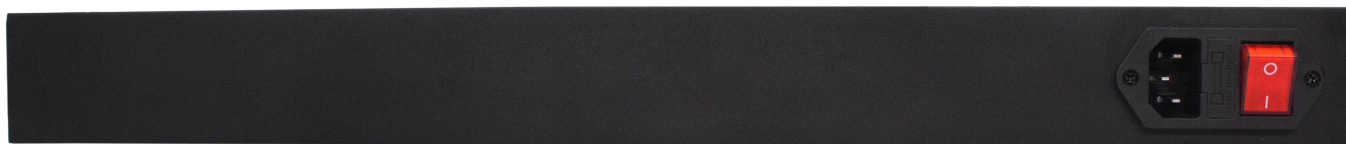


Panel shows



Front panel

- (1) RJ45 Ethernet port: communication interface for device monitoring data.
- (2) LED display: device address, current channel and related information display.
- (3) NEXT - NEXT PAGES; RESET - RESET ;
- (4) Optical interface description: optical interface.



Rear panel

(1) AC power supply interface

Default Setting

- ◆ When starting up, the 4 channels are connected by default.
- ◆ IP Address: 192.168.1.88; Communication port: 3000
- ◆ Network port protocol type: TCP Server

Note: Users have special requirements except.