



Zequn Technologies

ZOS0108A

OPTICAL SWITCH

User's Manual

【Notices】

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1. Features

- **Low Insertion Loss**
- **High Channel Isolation**
- **Highly Stable and Reliable**
- **Epoxy-Free Optical Path**
- **Manual & Remote Control**

2. Applications

Automatic Test & Measurement

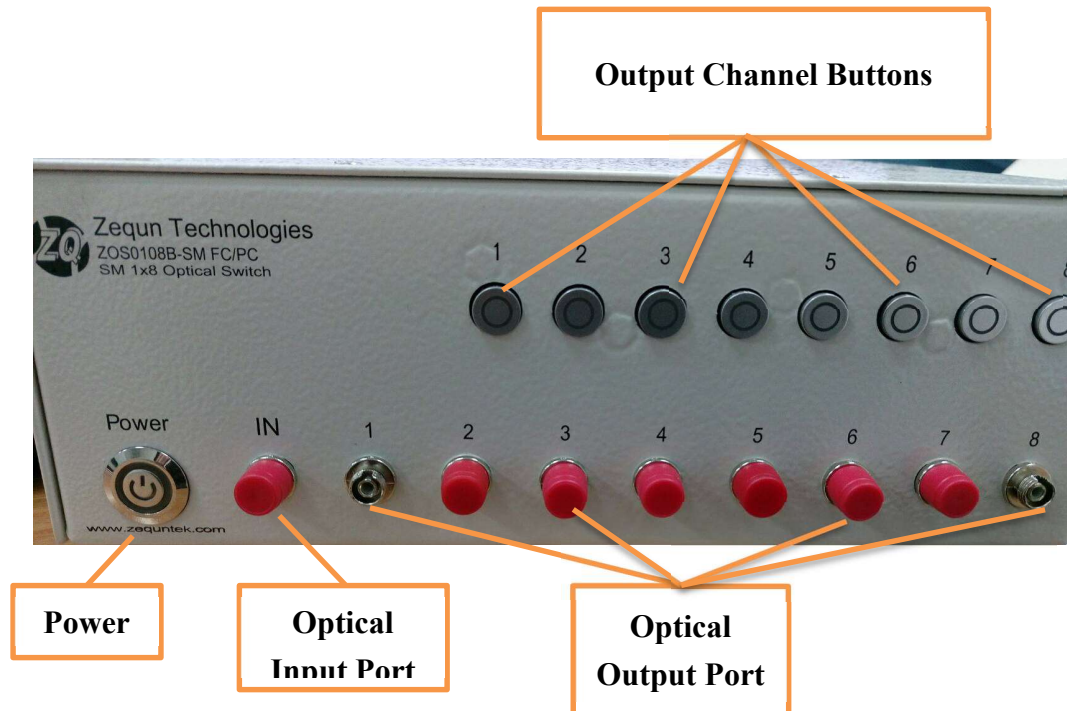
Optical Fiber Network Remote Monitoring

Multiple Light Source Automatic Switching & Monitoring

3. Specifications

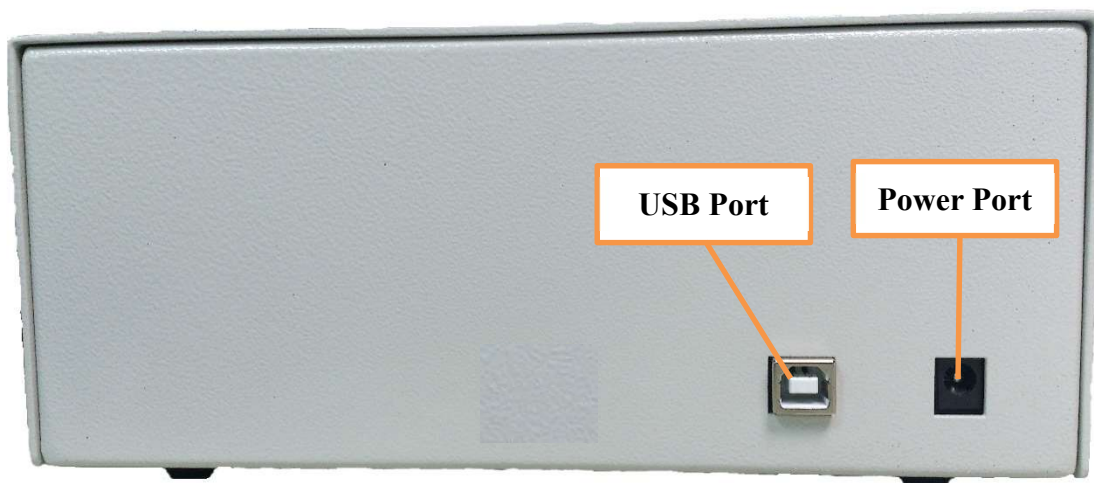
Parameter	Unit	Specification
Operating Wavelength	nm	1260 ~ 1650
Insertion Loss	dB	< 1.5
Return Loss	dB	≥ 30
Cross Talk	dB	≥ 70
Polarization Dependent Loss	dB	≤ ±0.1
Wavelength Dependent Loss	dB	≤ ±0.25
Temperature Dependent Loss	dB	≤ ±0.3
Repeatability	dB	≤ ±0.02
Switching Voltage	V	5
Switch Lifetime	times	10 ⁷
Switching time (Typ.)	ms	≤ 12 (Adjacent channel)
Input Optical Power	mW	2000
Operating Temperature	°C	0 ~ +50
Storage Temperature	°C	-20 ~ +60

4. Product Overview



4.1. Front view

4.2. Rear view



5. Operating Instructions

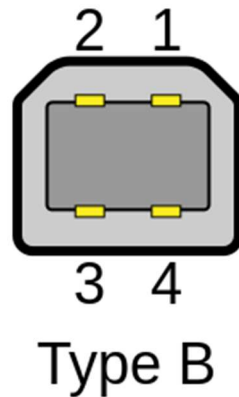
5.1. Manual

Button	Description
1 to 8	You can select channel 1 to 8 when you press the button. Your select channel will be displayed on the LED. Figure 5.1 shows the LED status of the channel.



Figure 5.1 LED shows the status of the channel

5.2. USB(Female)



Pin	Name	Description
1	V _{BUS}	+5V
2	D ⁻	Data ⁻
3	D ⁺	Data ⁺
4	GND	Ground

Universal Serial Bus (USB) is an industry standard developed in the mid-1990s that defines the cables, connectors and communications protocols used in a bus for connection, communication, and power supply between computers and electronic devices. USB has effectively replaced a variety of earlier interfaces, such as serial and parallel ports, as well as separate power chargers for portable devices.

Programmable aspects of this interface include the following (factory default settings are shown below):

Baud Rate : 9600

Data Bit : 8

Parity : none

Stop Bit : 1

5.3. Command Code

Command Code	Description
CHx (x=1~8)	Select the test Path. If you want to test channel 1, so you must enter the “CH1” command.
CH?	Searching the test path. If you want to check the test path, so you can enter “CH?” command.
ID?	Display the Serial Number.

6. Product Accessories

- ✧ Adaptor DC 9V/1.3A * 1
- ✧ USB Control Cable * 1