



西安奇芯光电科技有限公司

文件编号: QXP-DAT-151	版本: A0	页码: 1 of 4
文件名称: 8x8 Optical Switch Module Datasheet (Preliminary)		密级等级: 内部公开

版本	更改内容	拟定	审核	批准	发行日期
A0	新版本	Steven	Ray	Spark	2022.02.10

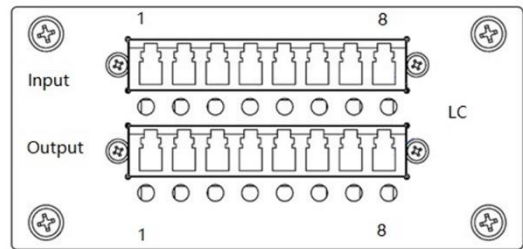
8x8 Optical Switch Module

Description

8x8 optical switch module is an optical device with 8 input and 8 output ports. Its function is to physically switch or logically operate the optical signals in the optical transmission line or integrated optical path.

Key Features

- ✧ PLC optical switch chip
- ✧ 8 Input ports
- ✧ 8 Output ports
- ✧ Software control
- ✧ Low Insertion Loss



Application

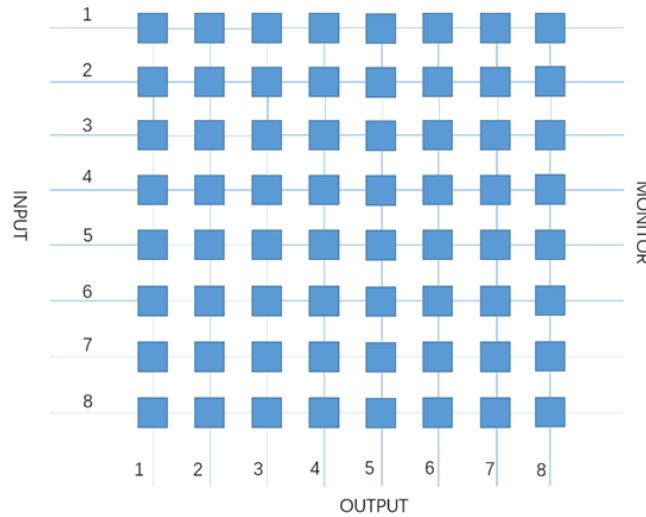
- ✧ Optical Test
- ✧ WDM

Ordering Information

P/N	Case temperature
QE-1NN-CA	-5~+70°C

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Functional Block Diagram



Notes: When the power is not on, the optical signal is input from the input port, directly enter the corresponding monitor port (not led out, installed inside the module). When the optical switching unit crossing input and output is connected with appropriate current, when the optical signal is input from input, it enters the corresponding output port. For example, when the switching unit crossing input and output is connected with current, the optical signal is transmitted from input 1 to output 3. This operation can be controlled by special software.

Performance Specifications

Item	Parameter	Unit	Min	Typical value	Max	Condition
1	Operating temperature	°C	-5		70	
2	Number of Input channels			8		
3	Number of output channel			8		
4	Wavelength	nm		1310		
5	Input-Output Insertion Loss	dB		2.5		All channel
6	Return Loss	dB	30			
7	Supply Voltage	V		12		
8	Power consumption	W			4	

Package Dimensions

