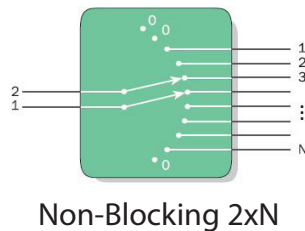
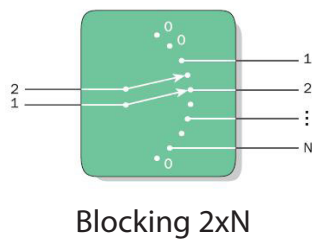


# VX 2xN RACKMOUNT OPTICAL SWITCH

DiCon's VX 2xN Rackmount Optical Switch utilizes a high resolution stepper motor to automate the connection between two input fibers and N number of output fibers. The switch can be configured either as a Blocking 2xN, which connects one of the inputs to one of the outputs and blocks the other input, or as a Non-Blocking 2xN, which connects both inputs to two adjacent outputs.



## FEATURES

- Low Crosstalk of -80 dB max.
- Easy-to-use Rackmount Housing

## APPLICATIONS

- Test & Measurement
- Secure Communications



# VX 2XN RACKMOUNT OPTICAL SWITCH

## OPTICAL SPECIFICATIONS<sup>1</sup>

PARAMETER	RATING	
Insertion Loss <sup>2,3</sup>	1.0 dB max	
Crosstalk	-80 dB max.	
Back Reflection	Singlemode	-55 dB max.
	Multimode 50µm	-25 dB max.
	Multimode 62.5µm	-20 dB max.
PDL <sup>4,5</sup>	0.10 dB max.	
Extinction Ratio <sup>6</sup>	18 dB min.	
Switching Time	300 ms + 16 ms per channel max.	
Repeatability <sup>7</sup>	±0.02 dB max.	
Durability	10 million cycles min.	
Optical Power <sup>8</sup>	300 mW max.	
Operating Temp	0 to 50°C	
Storage Temp	-20 to 70°C	

- Specifications are without connectors.
- IL is measured at CWL, 23°C.
- IL is for single-band. Dual-band adds 0.2 dB.
- Singlemode only
- PDL is for single-band. Dual-band adds 0.05 dB.
- Coming Panda PM 1550 fiber only
- Repeatability is defined after 100 cycles.
- High power version (1.5W) available as special order

## ELECTRICAL SPECIFICATIONS

PARAMETER	RATING	
Control Type	Ethernet, RS-232, RS-485 or TTL	
Input Voltage	90 - 264 VAC	
Connector Type	Ethernet	RJ45
	RS-232, RS-485, TTL	9 Pin DB9

## ORDERING INFORMATION

VXR - □ - □ - □ - □ - □ - □ - □ - □

### Product Code

VXR VX  
Rackmount  
Switch

### Switch Configuration

2xN/LB Blocking 2xN  
2xN/LN Non-Blocking 2xN

Blocking: N can be from 2 to 16  
Non-Blocking: N can be from 2 to 32

### Housing Type

1U 1U Rackmount

### Control Interface

ETH Ethernet  
RS2 RS-232  
RS4 RS-485  
TTL TTL  
E/R Ethernet & RS-232

Only one control interface can be selected at a time

### Wavelength Range

8 850 nm  
13 1290 - 1330 nm  
15 1530 - 1570 nm  
16 1570 - 1610 nm  
8/13 850 nm & 1310 nm  
13/15 1290 - 1330 & 1530 - 1570 nm  
15/16 1530 - 1570 & 1570 - 1610 nm

Other wavelength ranges available upon request

### Fiber Type

9 9µm core  
50 50µm core  
62 62.5µm core  
100 100µm core  
PM Panda 1550

### Connector Type

FC  
FC/APC  
LC  
LC/APC  
SC  
SC/APC

Other connector types available upon request.

### Port Type

B Bulkhead Adaptors

### Port Location

F Front Panel  
R Rear Panel