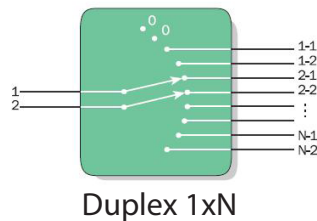
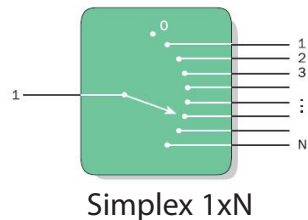


# VX 1xN RACKMOUNT OPTICAL SWITCH

DiCon's VX 1xN Rackmount Optical Switch utilizes a high resolution stepper motor to automate the connection between input and output fibers. The switch can be configured either as a Simplex 1xN, or as a Duplex 1xN for switching Tx/Rx fiber pairs.



## FEATURES

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

## APPLICATIONS

- Test & Measurement
- Secure Communications



# VX 1XN 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	9 Pin DE9
	TTL	15 Pin DE15

## ORDERING INFORMATION

VXR - □ - □ - □ - □ - □ - □ - □ - □

### Product Code

VXR VX  
Rackmount  
Switch

### Switch Configuration

1xN Simplex 1xN  
1xN/DS Synchronous  
Duplex 1xN  
*1xN: N can be from 2 to 50*  
*1xN/DS: N can be from 2 to 25*

### Housing Type

1U 1U Rackmount  
2U 2U Rackmount

*The chassis size is 1U for any switch size and connector type, unless the switch size is greater than 1x42 or 1x21/DS and FC/APC connectors are required, at which point the chassis will be 2U.*

### 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