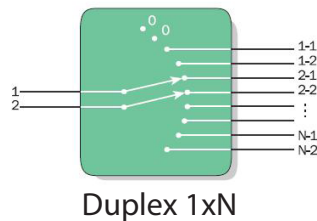
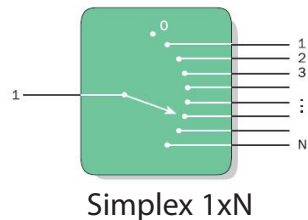


VX 1xN RACKMOUNT OPTICAL SWITCH

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 SPECIFICATIONS¹

PARAMETER		RATING
Insertion Loss ^{2,3}		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 ^{4,5}		0.10 dB max.
Extinction Ratio ⁶		18 dB min.
Switching Time		300 ms + 16 ms per channel max.
Repeatability ⁷		±0.02 dB max.
Durability		10 million cycles min.
Optical Power ⁸		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

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