

**Fiber Optical Switch 1x8****Fiber Optical Switch 1x6****Fiber Optical Switch 1x4**

- 100% optical switch
- Bi-directional
- Transparent to data rate
- Control via buttons or externally (RS232/TTL)
- Keeps the selected channel in case of power failure

Future-proof networks with Fibersystem's fiber optical switches

The area of use of the Fiber Optical Switch is to be able to switch between 1-8/6/4 different channels (sources/destinations).

For example, you can switch between different sources, networks (red/black), or different destinations such as an additional screen or projector. There is no electrical conversion in the switch, it is 100% optical.

Fibersystems Fiber Optical Switches are built to meet the most demanding needs in IP communication, ensuring unparalleled efficiency and flexibility in any network environment.

Examples of applications:

- Optical protection
- Test system
- Reconfigurable add-drop multiplexers
- Provisioning of FTTH and dark fiber
- Disaster recovery
- Redirect
- Reset of communication

Customization

The fiber optic switches are developed and manufactured by Fibersystem and can be adapted to customer needs.

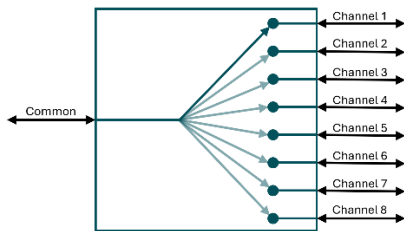


Illustration of an example of switching from common to each channel 1-8.

Features

Features	Full description		
Optical	Multimode 850/1300 nm		
Optical channels in/out	1 x LC		
	Fiber Optic Switch 1x8	Fiber Optic Switch 1x6	Fiber Optic Switch 1x4
Optical channels in/out	8 x LC	6 x LC	4 x LC
Loss typical	<1.5 dB	<1.2 dB	<0.8 dB
Crosstalk	-80 dB	-80 dB	-80 dB
Repeatability	±0.3 dB	±0.3 dB	±0.2 dB
Switch time	30 ms	30 ms	20 ms
Sustainability	30,000,000 bicycles	30,000,000 bicycles	30,000,000 bicycles

Technical data

I/O-port	Description	Connectors	No
Optical channel in/out	Multimode 850/1300 nm	LC	1
Optical channel in/out	Multimode 850/1300 nm	LC	8/6/4
External control	TTL	DB9	1
External control	RS232	DB9	1
Power supply		Description	
Mains voltage	85-264 VAC, 120-370 VDC		
Connectivity	IEC 320-C14		
Power consumption typical	2W		
Power consumption max	5W		
Mechanics and Environment		Description	
Dimensions	44 x 429.5 x 179 (HxWxD) mm (19" 1HU)		
Weight	2.5 kg		
Operating temperature	0 °C to 70 °C, at 10-85% relative humidity, non-condensing		
Storage Temperature	-40 °C to 85 °C, at 10-85% relative humidity, non-condensing		

Order Information

Main product configurations	FBET	FBEN	UBET/REFBET
Fiber Optic Switch 1x8	N/A	N/A	60-00-9188
Fiber Optic Switch 1x6	N/A	N/A	60-00-9189
Fiber Optic Switch 1x4	N/A	N/A	60-00-9360
Components	FBET	FBEN	UBET/REFBET
Rack Angles Incl. Screw	N/A	N/A	60-00-0119
Power cord 2m	N/A	N/A	50-65-5568