## FTBx-9160

MEMS OPTICAL SWITCH


## KEY FEATURES

Singlemode $1 \times N$ up to $1 \times 32$
Fast switching time of $<30 \mathrm{~ms}$
Product lifespan of more than $1 \times 10^{9}$ cycles

## Variety of connector options

Provides highly accurate and repeatable fiber-to-fiber switching.

## EXFO MULTILINK

RELATED PRODUCTS AND ACCESSORIES


Rackmount platform LTB-8


Rackmount platform LTB-2


Variable attenuator FTBx-3500


Multi-user interface EXFO Multilink

## MEMS-BASED DESIGN

With its MEMS-based design, EXFO's FTBx-9160 delivers durable performance in a compact package. Fast switching time and a 1-billion-cycle product lifespan make it the perfect optical switch for demanding manufacturing applications. The FTBx-9160 MEMS optical switch is available for singlemode fibers with a choice of $1 \times 2$, $1 \times 4,1 \times 8,1 \times 12,1 \times 16,1 \times 24$ and $1 \times 32$ modules.

## SUPPORTING VARIOUS APPLICATIONS

Optical switches are basic components integrated in almost every test station. The FTBx-9160 offers the specifications and features to support a wide variety of applications. Choose it to:

- Analyze transmitted signals using several types of test instruments, such as an optical spectrum analyzer and a bit-error-rate tester
- Reconfigure an R\&D or manufacturing test station to allow testing of several types of devices
- Test multiple devices under test (DUTs) in parallel


## LABORATORY AND FIELD PLATFORMS

The FTBx-9160 is designed to be used with the LTB-2, LTB-8, LTB-12 or FTB-4 Pro platforms. EXFO platforms are highly scalable and (except FTB-4 Pro) feature hot-swap capabilities for no downtime or interruption in tests, and greatly improved efficiency.

The FTBx-9160 can easily be remote-controlled by means of the standard LAN or GPIB interface using SPCI commands, IVI drivers or any other automation software.



The $1 \times N$ configurations provide precise optical switching between one common port and $\mathbf{N}$ input/output portsperfect for multiple-component or ribbon-fiber testing.



GENERAL SPECIFICATIONS

| Switch | $\mathbf{1 \times 2 , 1 \times 4}$ | $\mathbf{1 \times 8}$ | $\mathbf{1 \times 1 2}$ | $\mathbf{1 \times 1 6 , 1 \times 2 4}$ | $\mathbf{1 \times 3 2}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number of slots | 1 | 2 | 3 | 4 |  |

a. Specifications valid at $23^{\circ} \mathrm{C} \pm 5^{\circ} \mathrm{C}$.
b. Insertion loss per module, including one connector. For guaranteed specification, add 0.55 dB .
c. Typical specifications.
d. Repeatability values are for 100 cycles per switch module at constant temperature with stabilized source/meter.
e. At 1550 nm .
f. Available online only.

## ORDERING INFORMATION


a. Available for $1 \times 32$ switches only.
b. Not available for $1 \times 32$ switches.

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