

QuickSwitch® 4196 4-Way All-Optic Fiber Switch, Multimode, 62.5/125 Microns with a Fully Decoupled OFF-LINE Capability

QuickSwitch® 4196 Features

- Optical Scalability
- Bit-Rate Transparent
- Service/Protocol Transparent
- A/B/C/D/COMMON SC Duplex Fiber Optic Rear-Panel Connectors
- A/B/C/D and OFF-LINE Front-Panel Pushbuttons
- Front-Panel LEDs Display Switch Positions & Power Status
- Remote Control Via Voltage Excitation

QuickSwitch® 4196 Introduction

QuickSwitch® 4196 Remotely Controllable SC Duplex A/B/C/D OFF-LINE, all optical switch, is designed with fiber optic mirror technology. The signal is received by the unit as an optical signal over the fiber strand, is redirected by mirror mechanisms, and leaves the unit as an optical signal over a fiber strand (OOO).

The Model 4196 allows a fiber optic device connected to the unit's SC Duplex COMMON connector to access any of the four fiber optic networks connected to the A, B, C, or D ports, or to disconnect completely from all output ports. Switch position can be changed via A/B/C/D or OFF-LINE front-panel pushbuttons, or by a device connected to the rear panel Remote port. Applying appropriate voltage to designated pins of the Remote connector also changes the switch position. Approximate loss is 3.5 dB through the unit, plus junction loss of .75 dB into the COMMON Port and .75 dB junction loss out of the selected port.

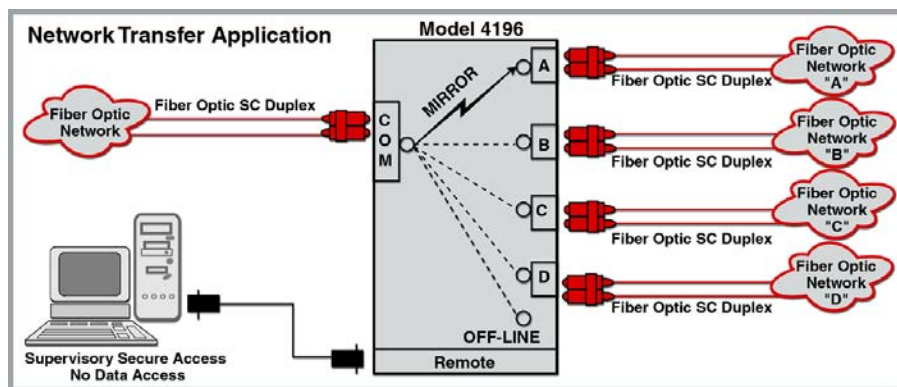
QuickSwitch® 4196 Operation

QuickSwitch® 4196's SC Duplex ports are transparent to all data. Each A, B, C and D pushbutton corresponds to a rear-panel fiber connector. The OFF-LINE pushbutton uncouples all fiber ports from each other. Corresponding front-panel LEDs indicate the switch position. Position status can also be ascertained from the Remote port connector. Remote switching is accomplished via the DB9 port located on the Model 4196 rear panel. An acknowledgement signal voltage confirms that the switch position has changed.

The Model 4196 has Switch Position Memory. When power is lost, the Model 4196 automatically changes to the OFF-LINE position and decouples all fiber connections in and out of the unit. When power returns, the Model 4196 automatically reads the voltages on the Remote port and looks to the pushbutton activity to select its switch position.



COTS or Customized Switches Available
(Call 401-943-1164)



SPECIFICATIONS:

CONNECTORS: (5) SC Duplex Fiber Optic rear-panel connectors, A/B/C/D/COMMON.

FIBER OPTIC INTERFACE: Wavelength 1300nm, Multimode, 62.5/125 Microns

CONTROLS: (5) Front-panel Pushbuttons, A/B/C/D, and OFF-LINE.

DISPLAY: (5) Front-panel red LEDs display switch position and power status.

POWER: UL approved wall mount power module, Input: 120V AC / 60HZ 10W, Output: 12V DC 500mA, Class 2 Transformer.

DIMENSIONS: 3.5"H x 8"D x 19" W.
Fits standard 19" rack.