



SWITCHBOX™

MECHANICAL FIBER OPTIC A/B NETWORK SWITCH



Features / Benefits

- Ideal for government, health care, financial, or other networks that require switching to alternate paths
- Extremely low back reflection and insertion loss
- No Crosstalk
- Failsafe Network Switch: Switch both transmit and receive fibers to a backup network path
- Simply turn knob to switch paths
- No micro-mirrors or substrates
- No optical to electrical conversion between fiber connectors
- Multi-switch rack mounting and custom configurations available
- Passive (No Power Required)
- Available in single pole, double throw or double pole, double throw
- Uses magnetic coupling technology for optimization
- Singlemode or multimode
- Connectors available: FC, ST, SC, LC, FC/APC, SC/APC, LC/APC
- Patented Technology

SwitchBox™ Mechanical Fiber Optic A/B Switch

The SwitchBox™ Mechanical Fiber Optic A/B Switch is a device that accepts optical inputs from a primary path and a secondary path to provide manual switching in the event that the primary path signal is broken or otherwise disrupted.

Easily switch both transmit and receive fibers to a backup path. No optical to electrical conversion between the fiber connections, no mirrors or substrates and no power required, resulting in a Failsafe Network Switch. Extremely low loss, low back reflection, and infinite crosstalk. Ideal for simultaneous network protection of both transmit and receive paths.

The switch can also be used in a variety of other custom configurations - network simulators, delay lines, add/drop switching and latency switching.



Back Panel of A/B Switch with FC/APC Connectors

■ Specifications

■ SwitchBox Mechanical Fiber Optic Switch

<i>Dimensions</i>	2" H x 6.5" W x 8" D
<i>Power</i>	Passive (No Power Required)
<i>Compatibility</i>	9/125 Singlemode, 62.5/125 Multimode, 50/125 Multimode OM2/OM3
<i>Optical Bandwidth</i>	Based on type of fiber employed
<i>Crosstalk</i>	Infinite
<i>Optical loss</i>	<0.25 dB typical
<i>Repeatability</i>	<0.05 dB typical
<i>Back Reflection</i>	-65 dB min.
<i>Connectors</i>	FC, ST, SC, LC, FC/APC, SC/APC, LC/APC
<i>Operating Temp</i>	-40° to 85° C
<i>Storage Temp</i>	-40° to 85° C

■ Part Numbers

Duplex Configuration

SBXD-S1 Fiber Optic A/B Desktop Switch, 9/125 Singlemode, FC
SBXD-S2 Fiber Optic A/B Desktop Switch, 9/125 Singlemode, ST
SBXD-S3 Fiber Optic A/B Desktop Switch, 9/125 Singlemode, SC
SBXD-S7 Fiber Optic A/B Desktop Switch, 9/125 Singlemode, LC
SBXD-S4 Fiber Optic A/B Desktop Switch, 9/125 Singlemode, FCAPC
SBXD-S5 Fiber Optic A/B Desktop Switch, 9/125 Singlemode, SCAPC
SBXD-SX Fiber Optic A/B Desktop Switch, 9/125 Singlemode, LCAPC

SBXD-M1 Fiber Optic A/B Desktop Switch, 62.5/125 Multimode, FC
SBXD-M2 Fiber Optic A/B Desktop Switch, 62.5/125 Multimode, ST
SBXD-M3 Fiber Optic A/B Desktop Switch, 62.5/125 Multimode, SC
SBXD-M7 Fiber Optic A/B Desktop Switch, 62.5/125 Multimode, LC

SBXD-B1 Fiber Optic A/B Desktop Switch, 50 Multimode OM2, FC
SBXD-B2 Fiber Optic A/B Desktop Switch, 50 Multimode OM2, ST
SBXD-B3 Fiber Optic A/B Desktop Switch, 50 Multimode OM2, SC
SBXD-B7 Fiber Optic A/B Desktop Switch, 50 Multimode OM2, LC

SBXD-C1 Fiber Optic A/B Desktop Switch, 50 Multimode OM3, FC
SBXD-C2 Fiber Optic A/B Desktop Switch, 50 Multimode OM3, ST
SBXD-C3 Fiber Optic A/B Desktop Switch, 50 Multimode OM3, SC
SBXD-C7 Fiber Optic A/B Desktop Switch, 50 Multimode OM3, LC



Pictured: SBXD-S4 9/125 Singlemode FC/APC

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Fiber Optic Connectivity Solutions

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