



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 SwtichBox™ 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



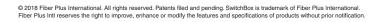
Specifications

SwtichBox Mechanical Fiber Optic Switch

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

Part Numbers

Duplex Configuaration		
SBXD-S1 F	Fiber Optic A/B Desktop Switch, 9/125 Singlemode, FC	
SBXD-S2 F	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	
	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	
	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







