

Fiber BLOCKER Secure KVM Switch

Fibernet's Fiber BLOCKER KVM switch family of products provides an extra level of security that other KVM switches combining a KVM with an extension. This is done separating the KVM functionality into two devices remotely connected point-to-point by a fiber cable. This adds a physical barrier between the user and the computers preventing an accidental or intentional data compromise at the same time that grants secure access by a set of keyboard, mouse and display.



With a Fiber BLOCKER KVM, a workstation can be remotely connected to computers with different levels of security without a risk of data flowing between the respective networks.

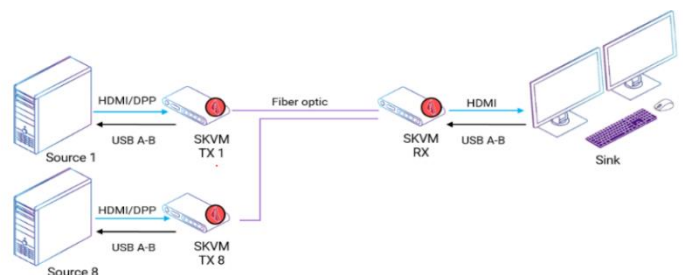
In addition, the Fiber BLOCKER KVM restricts signal flow by physically forcing unidirectionality, isolating, filtering and emulating communication, providing complete security against any attempt of using a peripheral device as a threat.

Fibernet's family of KVM switches were developed to follow the strictest requirements of government agencies, military and finance organizations preventing data compromise.

The Fiber BLOCKER KVM switch family of products are certified by the highest Israeli cybersecurity regulator.

Applications:

- Secure access to multiple PCs with different security classifications
- Command and Control
- High level security installations
- Secure HDMI monitor extension



Features:

- Safely and secure access to local PCs.
- High quality, uncompressed and unidirectional HDMI and embedded audio transmission.
- Dual-head functionality- extension viewing
- Supports video resolutions up to 4K@30.
- Remote connectivity with SFP (distance dependent)
- Isolated independent channels for each source.
- Optical and Galvanic isolation including separate power supplies.
- Auto detect EDID.

Benefits:

- Plug and Play
- No software required
- High performance results
- High level of cybersecurity
- Simple control by front panel buttons
- Admit external control by RS-232 ([SEM-1](#) device required)

Specifications:

Parameter	Value
RX ports	1x or 2x HDMI for display (depends on model) 2x USB-A for keyboard and mouse 2x PS/2 for keyboard and mouse 1x SFP per input
TX ports	1x HDMI and/or DisplayPort per input (depends on model) 1x USB-B per input for keyboard, mouse, and audio interface 1x SFP
HDCP	Not supported
Video Resolution	Up to 4K@30 (2160x3840)
Audio Sampling Rate	96Khz / 48Khz / 44Khz / 32Khz
Input Power Requirements	12V DC
Maximum Power Consumption	15 Watt on the RX / 15 Watt on the TX
Operating Temperature	0°C ~ +50 °C (+32°F ~ +122°F)
Storage Temperature	-20°C ~ +75°C (-4°F ~ 167°F)
Operating Humidity	90% max, non-condensing
Color	Black

Ordering Information:

Part Number	Description
FS-SKVM-11HD-E	Fiber BLOCKER 1:1 HDMI Secure KVM Extended
FS-SKVM-21HD-E	Fiber BLOCKER 2:1 HDMI Secure KVM Extended Switch
FS-SKVM-22HD-E	Fiber BLOCKER 2:2 HDMI Secure KVM Extended Switch
FS-SKVM-22HD-D-E	Fiber BLOCKER 2:2 HDMI Secure KVM Extended Switch Dual Display
FS-SKVM-41HD-E	Fiber BLOCKER 4:1 HDMI Secure KVM Extended Switch
FS-SKVM-42HD-E	Fiber BLOCKER 4:2 HDMI Secure KVM Extended Switch
FS-SKVM-42HD-D-E	Fiber BLOCKER 4:2 HDMI Secure KVM Extended Switch Dual Display
FS-SKVM-82HD-E	Fiber BLOCKER 8:2 HDMI Secure KVM Extended Switch
FS-SKVM-11DP-E	Fiber BLOCKER 1:1 DisplayPort Secure KVM Extended
FS-SKVM-21DP-E	Fiber BLOCKER 2:1 DisplayPort Secure KVM Extended Switch
FS-SKVM-22DP-E	Fiber BLOCKER 2:2 DisplayPort Secure KVM Extended Switch
FS-SKVM-22DP-D-E	Fiber BLOCKER 2:2 DisplayPort Secure KVM Extended Switch Dual
FS-SKVM-41DP-E	Fiber BLOCKER 4:1 DisplayPort Secure KVM Extended Switch
FS-SKVM-42DP-E	Fiber BLOCKER 4:2 DisplayPort Secure KVM Extended Switch
FS-SKVM-42DP-D-E	Fiber BLOCKER 4:2 DisplayPort Secure KVM Extended Switch Dual
FS-SKVM-82DP-E	Fiber BLOCKER 8:2 DisplayPort Secure KVM Extended Switch

Additional Accessories:

Part Number	Description
Q-SFP+10G-SR-300M	Multi-Mode 10Gb SFP
Q-SFP+10G-LR-10KM	Single-Mode 10Gb SFP
MPF2779	Fiber BLOCKER Secure KVM Extended Switch Bracket for FIM-5U-SR
FIM-5U-SR	5U Sub Rack for Fibernet Devices