

Fiber BLOCKER KVM extender

Fibernet offers a comprehensive range of secure KVM switches designed for high-security environments that require robust data protection and secure access to multiple computers. Available with 1, 2, or 4 computer inputs, these KVM switches allow users to control multiple computers from a single keyboard and mouse while maintaining strict isolation between systems. The product line includes a dual-monitor model with two video outputs, capable of handling any video source and displaying it on either of the two connected screens. These switches are ideally suited for government, defense, and other sensitive applications where data integrity and security are paramount.



FEATURES

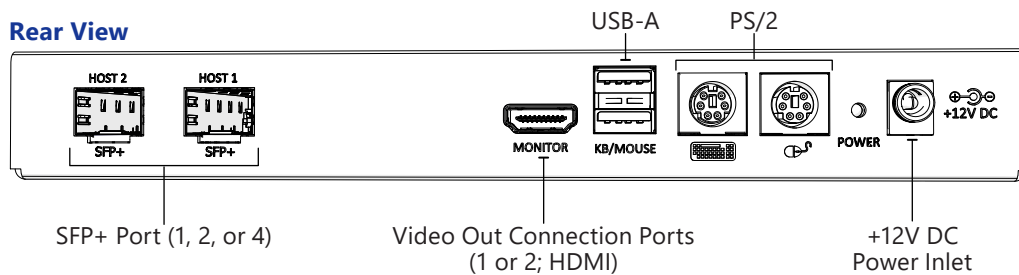
- **Isolated Channels:** Ensures complete isolation of each computer or device connected to the KVM switch, preventing any data leakage between channels.
- **Unidirectional Data Flow:** Employs hardware-based data diodes to enforce unidirectional data flow for video, USB, and audio signals, preventing unauthorized or accidental data transfers to connected devices.
- **High-Resolution Video:** Up to 4k video resolutions via HDMI or DisplayPort, delivering clear and sharp display quality across all connected systems.
- **Matrix Switching:** Allows any input to be routed to any monitor, enabling flexible and independent control of which source is displayed on each monitor. This enhances operational versatility and allows for customized viewing configurations.
- **Push Button Selection:** Provides Facilitates easy device switching using physical push buttons for quick and reliable control.
- **Hotkey Functions:** Offers fast switching between devices through predefined keyboard shortcuts, streamlining workflow and enhancing efficiency.

PORTS

Receiver (Rx)

MODEL	VIDEO	DATA COMMUNICATION	KEYBOARD/MOUSE
FS-SKVM-11HD-RX	1x HDMI (Out)	1x SFP+ SM/MM	2x USB-A 2x PS/2
FS-SKVM-21HD-RX	1x HDMI (Out)	2x SFP+ SM/MM	2x USB-A 2x PS/2
FS-SKVM-22HD-RX	2x HDMI (Out)	2x SFP+ SM/MM	2x USB-A 2x PS/2
FS-SKVM-41HD-RX	1x HDMI (Out)	4x SFP+ SM/MM	2x USB-A 2x PS/2
FS-SKVM-42HD-RX	2x HDMI (Out)	4x SFP+ SM/MM	2x USB-A 2x PS/2

Rear View



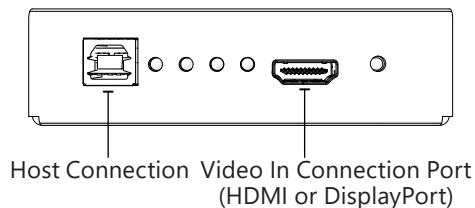
Transmitter (Tx)*

MODEL	VIDEO	DATA COMMUNICATION
Transmitter unit (HDMI)	1x HDMI (In)	1x SFP+
Transmitter unit (DP)	1x DisplayPort (In)	1x SFP+

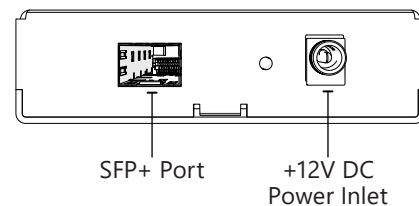
* Each kit includes one transmitter per SFP+ port on the receiver unit. For instance, a receiver unit with 4 SFP+ ports will come with 4 transmitters included in the kit.

* Package includes the transmitter unit(s).

Front View



Rear View



FUNCTIONS

MODEL	MATRIX SWITCHING	HOTKEY FUNCTIONS	PUSHBUTTON SWITCHING
FS-SKVM-11HD-E-KIT	No	Yes	No
FS-SKVM-11DP-E-KIT	No	Yes	No
FS-SKVM-21HD-E-KIT	No	Yes	Yes
FS-SKVM-21DP-E-KIT	No	Yes	Yes
FS-SKVM-22HD-E-KIT	Yes	Yes	Yes
FS-SKVM-22DP-E-KIT	Yes	Yes	Yes
FS-SKVM-41HD-E-KIT	No	Yes	Yes
FS-SKVM-41DP-E-KIT	No	Yes	Yes
FS-SKVM-42HD-E-KIT	Yes	Yes	Yes
FS-SKVM-42DP-E-KIT	Yes	Yes	Yes

MODEL	READ/WRITE-EDID	DUAL-MONITOR SUPPORT
FS-SKVM-11HD-E-KIT	Yes	No
FS-SKVM-11DP-E-KIT	Yes	No
FS-SKVM-21HD-E-KIT	Yes	No
FS-SKVM-21DP-E-KIT	Yes	No
FS-SKVM-22HD-E-KIT	Yes	Yes
FS-SKVM-22DP-E-KIT	Yes	Yes
FS-SKVM-41HD-E-KIT	Yes	No
FS-SKVM-41DP-E-KIT	Yes	No
FS-SKVM-42HD-E-KIT	Yes	Yes
FS-SKVM-42DP-E-KIT	Yes	Yes

SPECIFICATIONS

GENERAL SPECIFICATION	DETAILS	MODEL
Video resolution	Up to 4K	All KVM models
HDCP (high-bandwidth digital content protection)	Not supported	N/A
Input power	USB-Powered 12V DC	Transmitter unit* All KVM models; transmitter unit
Max power consumption	5 Watts	All KVM models; transmitter unit
Operating temperature range	0°C to 50°C (32°F to 122°F)	All KVM models; transmitter unit
Storage temperature range	-20°C to 75°C (-4°F to 167°F)	All KVM models; transmitter unit
Operating humidity	Up to 90% (non-condensing)	All KVM models; transmitter unit
Color	Black	All KVM models; transmitter unit

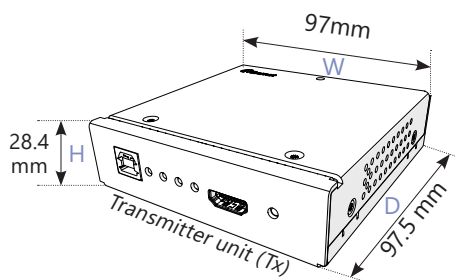
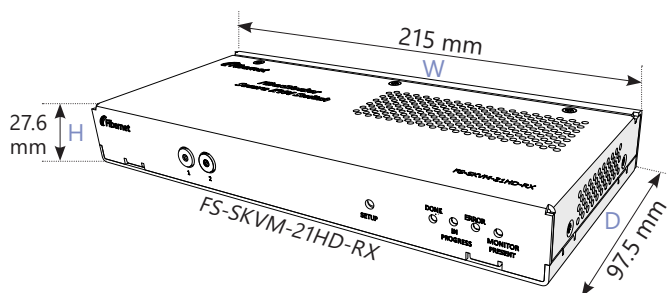
DIMENSIONS

Receiver (Rx)

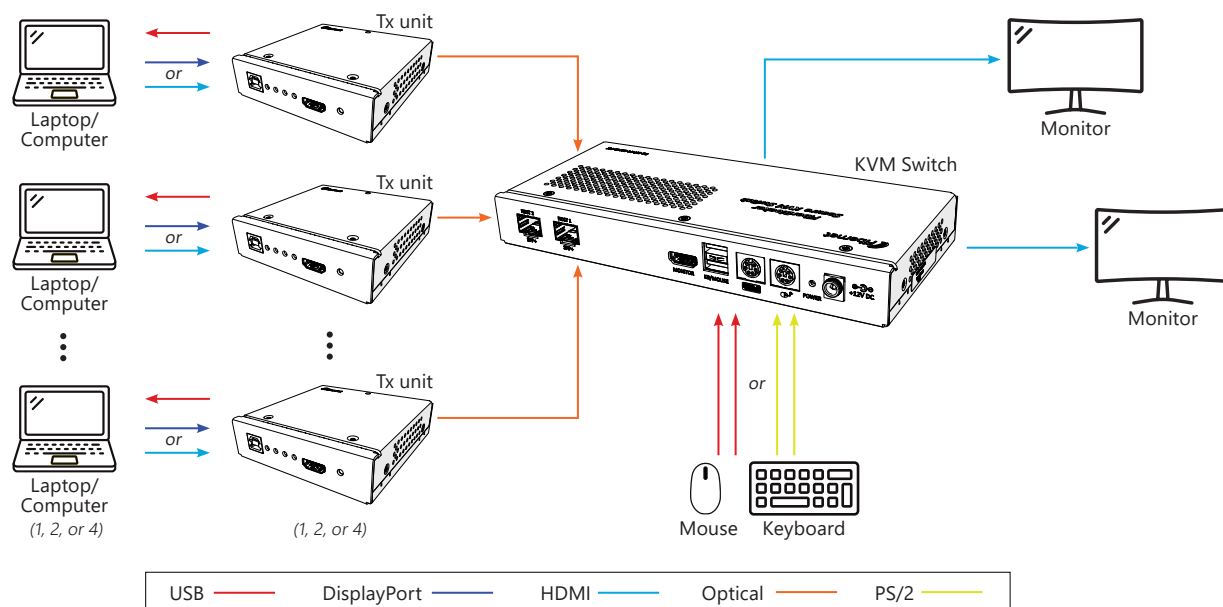
MODEL	UNIT DIMENSIONS (H X W X D)	PACKAGE DIMENSIONS (H X W X D)*	UNIT WEIGHT	WEIGHT (INCLUDING PACKAGE)*
FS-SKVM-11HD-RX	29.9 x 143.7 x 97.6 mm		264 g	
FS-SKVM-11DP-RX	29.9 x 143.7 x 97.6 mm		264 g	
FS-SKVM-21HD-RX	27.6 x 215 x 97.5 mm		392 g	
FS-SKVM-21DP-RX	27.6 x 215 x 97.5 mm		392g	
FS-SKVM-22HD-RX	27.6 x 215 x 97.5 mm		433 g	
FS-SKVM-22DP-RX	27.6 x 215 x 97.5 mm		433 g	
FS-SKVM-41HD-RX	27.6 x 215 x 97.5 mm		433 g	
FS-SKVM-41DP-RX	27.6 x 215 x 97.5 mm		433 g	
FS-SKVM-42HD-RX	27.6 x 215 x 97.5 mm		433 g	
FS-SKVM-42DP-RX	27.6 x 215 x 97.5 mm		433 g	

Transmitter (Tx)

MODEL	UNIT DIMENSIONS (H X W X D)	PACKAGE DIMENSIONS (H X W X D)	WEIGHT
Transmitter unit (HDMI)	28.4 x 96.8 x 97.4 mm		189 g
Transmitter unit (DP)	28.4 x 96.8 x 97.4 mm		189 g



TYPICAL INSTALLATION LAYOUT



ORDERING INFORMATION

PART NUMBER	DESCRIPTION
FS-SKVM-11HD-E-KIT	Secure KVM, 1 Tx unit w/HDMI input source, 1 HDMI monitor output
FS-SKVM-11DP-E-KIT	Secure KVM, 1 Tx unit w/DisplayPort input source, 1 HDMI monitor output
FS-SKVM-21HD-E-KIT	Secure KVM, 2 Tx units w/HDMI input source, 1 HDMI monitor output
FS-SKVM-21DP-E-KIT	Secure KVM, 2 Tx units w/DisplayPort input source, 1 HDMI monitor output
FS-SKVM-22HD-E-KIT	Secure KVM, 2 Tx units w/HDMI input source, 2 HDMI monitor outputs
FS-SKVM-22DP-E-KIT	Secure KVM, 2 Tx units w/DisplayPort input source, 2 HDMI monitor outputs
FS-SKVM-41HD-E-KIT	Secure KVM, 4 Tx units w/HDMI input source, 1 HDMI monitor output
FS-SKVM-41DP-E-KIT	Secure KVM, 4 Tx units w/DisplayPort input source, 1 HDMI monitor output
FS-SKVM-42HD-E-KIT	Secure KVM, 4 Tx units w/HDMI input source, 2 HDMI monitor outputs
FS-SKVM-42DP-E-KIT	Secure KVM, 4 Tx units w/DisplayPort input source, 2 HDMI monitor outputs

OPTIONAL ITEMS

OPTIONAL ACCESSORIES	DESCRIPTION
FIM-HD2C-2M	HDMI2.0 CABLE 3D 4KX2K 60HZ 1080P - 2 METER
FIM-CBL-DPM-DPM-1.8M	CABLE DP MALE TO DP MALE LENGTH 1.8M
FIM-CBL-USBA-USBB-1.8M	USB A TO USB B CABLE 1.8M
Q-SFP+-10G-SR-300M	SFP+ 10GBPS MM OPTICAL MODULE 850NM 300M
FG9-9999UU00200	20M OPTIC CABLE WITH LC/UPC
FG9-9999UU00300	30M OPTIC CABLE WITH LC/UPC
FG9-9999UU01000	100M OPTIC CABLE WITH LC/UPC