Fibernet
NEXT-LEVEL COMMUNICATIONS

BLOCKER Secure KVM Mini Matrix

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, 4, or 8 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:** Supports high-definition 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 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.

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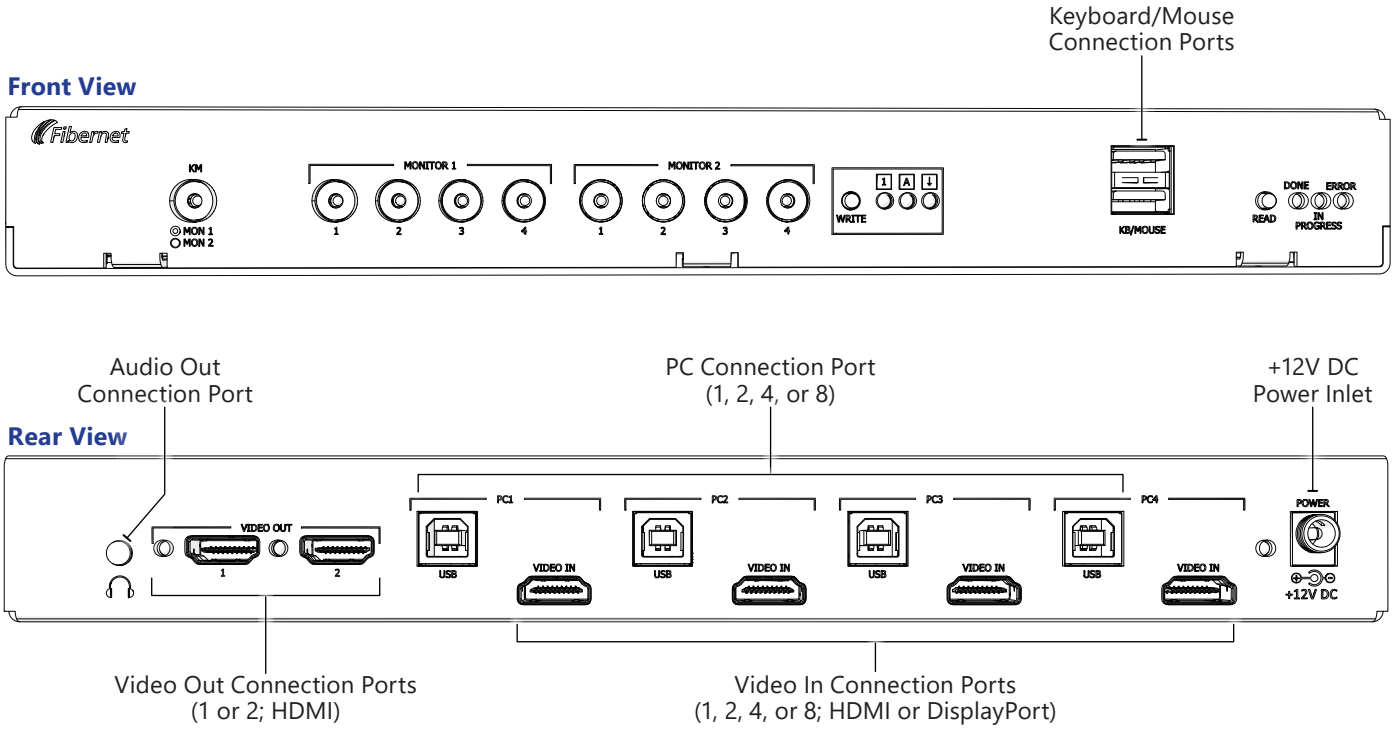
PORTS

MODEL	VIDEO	AUDIO	KEYBOARD/ MOUSE	PC
FS-SKVM-11HD-KIT	1x HDMI (In) 1x HDMI (Out)	1x 3.5mm Aux (Out)	2x USB-A	1x USB-B
FS-SKVM-11DP-KIT	1x DisplayPort (In) 1x HDMI (Out)	1x 3.5mm Aux (Out)	2x USB-A	1x USB-B
FS-SKVM-21HD-KIT	2x HDMI (In) 1x HDMI (Out)	1x 3.5mm Aux (Out)	2x USB-A	2x USB-B
FS-SKVM-21DP-KIT	2x DisplayPort (In) 1x HDMI (Out)	1x 3.5mm Aux (Out)	2x USB-A	2x USB-B
FS-SKVM-22HD-KIT	2x HDMI (In) 2x HDMI (Out)	1x 3.5mm Aux (Out)	2x USB-A	2x USB-B
FS-SKVM-22DP-KIT	2x DisplayPort (In) 2x HDMI (Out)	1x 3.5mm Aux (Out)	2x USB-A	2x USB-B
FS-SKVM-41HD-KIT	4x HDMI (In) 1x HDMI (Out)	1x 3.5mm Aux (Out)	2x USB-A	4x USB-B
FS-SKVM-41DP-KIT	4x DisplayPort (In) 1x HDMI (Out)	1x 3.5mm Aux (Out)	2x USB-A	4x USB-B
FS-SKVM-42HD-KIT	4x HDMI (In) 2x HDMI (Out)	1x 3.5mm Aux (Out)	2x USB-A	4x USB-B
FS-SKVM-42DP-KIT	4x DisplayPort (In) 2x HDMI (Out)	1x 3.5mm Aux (Out)	2x USB-A	4x USB-B
FS-SKVM-82HD-KIT	8x HDMI (In) 2x HDMI (Out)	1x 3.5mm Aux (Out)	2x USB-A	8x USB-B
FS-SKVM-82DP-KIT	8x DisplayPort (In) 2x HDMI (Out)	1x 3.5mm Aux (Out)	2x USB-A	8x USB-B



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FUNCTIONS

MODEL	MATRIX SWITCHING	HOTKEY FUNCTIONS	PUSHBUTTON SWITCHING
FS-SKVM-11HD-KIT	No	No	No
FS-SKVM-11DP-KIT	No	No	No
FS-SKVM-21HD-KIT	No	Yes	Yes
FS-SKVM-21DP-KIT	No	Yes	Yes
FS-SKVM-22HD-KIT	Yes	Yes	Yes
FS-SKVM-22DP-KIT	Yes	Yes	Yes
FS-SKVM-41HD-KIT	No	Yes	Yes
FS-SKVM-41DP-KIT	No	Yes	Yes
FS-SKVM-42HD-KIT	Yes	Yes	Yes
FS-SKVM-42DP-KIT	Yes	Yes	Yes
FS-SKVM-82HD-KIT	Yes	Yes	Yes
FS-SKVM-82DP-KIT	Yes	Yes	Yes

MODEL	USB-POWERED	READ/WRITE-EDID	DUAL-MONITOR SUPPORT
FS-SKVM-11HD-KIT	Yes	Yes	No
FS-SKVM-11DP-KIT	Yes	Yes	No
FS-SKVM-21HD-KIT	Yes	Yes	No
FS-SKVM-21DP-KIT	Yes	Yes	No
FS-SKVM-22HD-KIT	Yes	Yes	Yes
FS-SKVM-22DP-KIT	Yes	Yes	Yes
FS-SKVM-41HD-KIT	No	Yes	No
FS-SKVM-41DP-KIT	No	Yes	No
FS-SKVM-42HD-KIT	No	Yes	Yes
FS-SKVM-42DP-KIT	No	Yes	Yes
FS-SKVM-82HD-KIT	No	Yes	Yes
FS-SKVM-82DP-KIT	No	Yes	Yes

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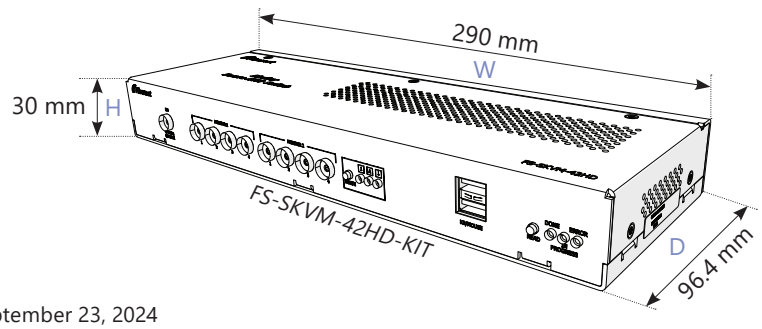
SPECIFICATIONS

GENERAL SPECIFICATION	DETAILS	MODEL
Video resolution	Up to 4K	All KVM models
HDCP (high-bandwidth digital content protection)	Not supported	N/A
Audio sampling rate	48kHz	All KVM models
Input power	Power over USB	FS-SKVM-11HD-KIT, FS-SKVM-11DP-KIT FS-SKVM-21HD-KIT, FS-SKVM-21DP-KIT FS-SKVM-22HD-KIT, FS-SKVM-22DP-KIT
	External Power 12V DC	FS-SKVM-41HD-KIT, FS-SKVM-41DP-KIT FS-SKVM-42HD-KIT, FS-SKVM-42DP-KIT FS-SKVM-82HD-KIT, FS-SKVM-82DP-KIT
Max power consumption	5 Watts	All KVM models
Operating temperature range	0°C to 50°C (32°F to 122°F)	All KVM models
Storage temperature range	-20°C to 75°C (-4°F to 167°F)	All KVM models
Operating humidity	Up to 90% (non-condensing)	All KVM models
Color	Black	All KVM models

DIMENSIONS

MODEL	UNIT DIMENSIONS (H X W X D)	PACKAGE DIMENSIONS (H X W X D)	UNIT WEIGHT	WEIGHT (INCLUDING PACKAGE)
FS-SKVM-11HD-KIT	26 x 108 x 62 mm	79 x 240 x 236 mm	116 g	283 g
FS-SKVM-11DP-KIT	26 x 108 x 62 mm	79 x 240 x 236 mm	116 g	283 g
FS-SKVM-21HD-KIT	30 x 200.8 x 96.8 mm	79 x 240 x 236 mm	244 g	802 g
FS-SKVM-21DP-KIT	30 x 200.8 x 96.8 mm	79 x 240 x 236 mm	244 g	802 g
FS-SKVM-22HD-KIT	30 x 150 x 82 mm	79 x 240 x 236 mm	244 g	802 g
FS-SKVM-22DP-KIT	30 x 150 x 82 mm	79 x 240 x 236 mm	244 g	802 g
FS-SKVM-41HD-KIT	30 x 290 x 96.4 mm	84.5 x 489 x 270 mm	453 g	1573 g
FS-SKVM-41DP-KIT	30 x 290 x 96.4 mm	84.5 x 489 x 270 mm	453 g	1573 g
FS-SKVM-42HD-KIT	30 x 290 x 96.4 mm	84.5 x 489 x 270 mm	460 g	1569 g
FS-SKVM-42DP-KIT	30 x 290 x 96.4 mm	84.5 x 489 x 270 mm	460 g	1542 g
FS-SKVM-82HD-KIT	30 x 440 x 135.4 mm	84.5 x 489 x 270 mm	871 g	2750 g
FS-SKVM-82DP-KIT	30 x 440 x 135.4 mm	84.5 x 489 x 270 mm	871 g	5750 g



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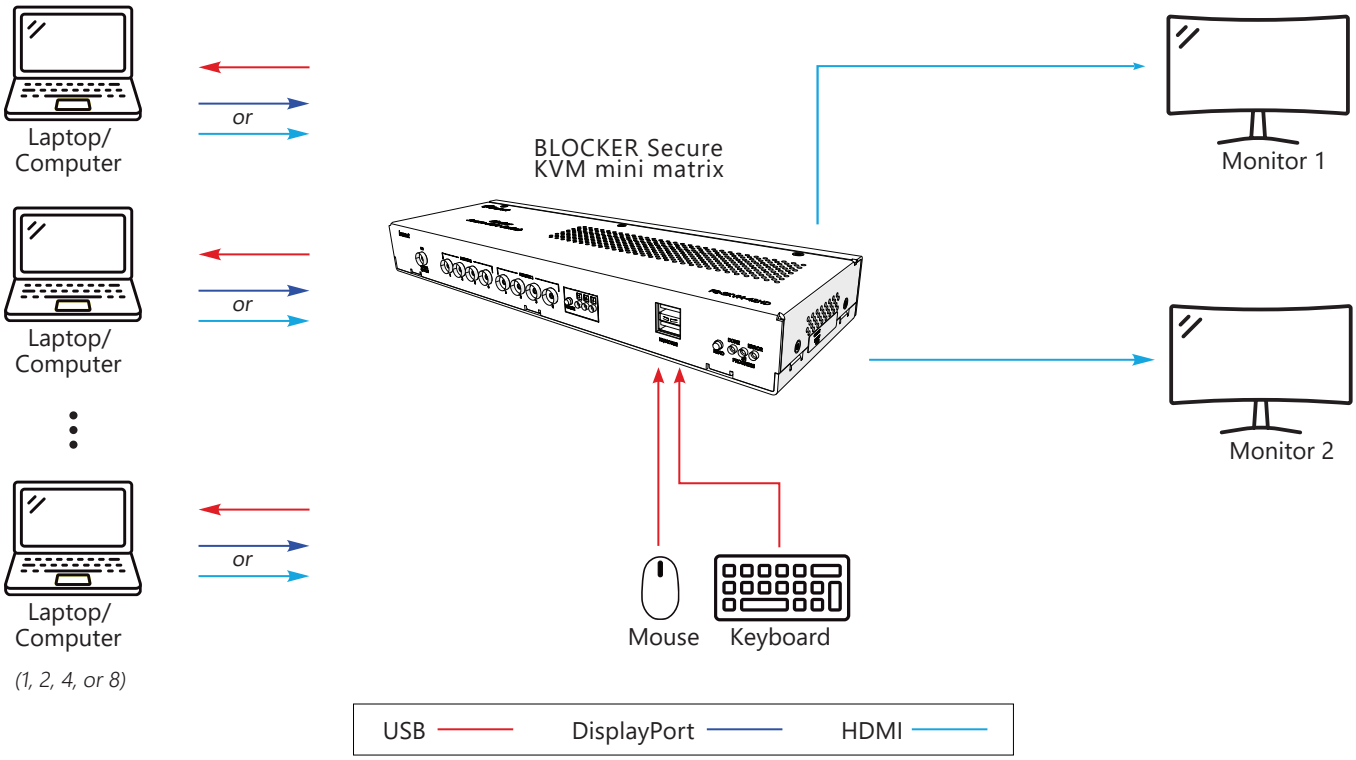
TYPICAL INSTALLATION LAYOUT



ORDERING INFORMATION

PART NUMBER	DESCRIPTION
FS-SKVM-11HD-KIT	Secure KVM, 1 HDMI input source, 1 HDMI monitor output
FS-SKVM-11DP-KIT	Secure KVM, 1 DisplayPort input source, 1 HDMI monitor output
FS-SKVM-21HD-KIT	Secure KVM, 2 HDMI input sources, 1 HDMI monitor output
FS-SKVM-21DP-KIT	Secure KVM, 2 DisplayPort input sources, 1 HDMI monitor output
FS-SKVM-22HD-KIT	Secure KVM, 2 HDMI input sources, 2 HDMI monitor outputs
FS-SKVM-22DP-KIT	Secure KVM, 2 DisplayPort input sources, 2 HDMI monitor outputs
FS-SKVM-41HD-KIT	Secure KVM, 4 HDMI input sources, 1 HDMI monitor output
FS-SKVM-41DP-KIT	Secure KVM, 4 DisplayPort input sources, 1 HDMI monitor output
FS-SKVM-42HD-KIT	Secure KVM, 4 HDMI input sources, 2 HDMI monitor outputs
FS-SKVM-42DP-KIT	Secure KVM, 4 DisplayPort input sources, 2 HDMI monitor outputs
FS-SKVM-82HD-KIT	Secure KVM, 8 HDMI input sources, 2 HDMI monitor outputs
FS-SKVM-82DP-KIT	Secure KVM, 8 DisplayPort input sources, 2 HDMI monitor outputs

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OPTIONAL ITEMS

PART NUMBER	DESCRIPTION
KTF0198	19" BRACKETS for item FS-SKVM-42HD-D
KTF0197	TABLE BRACKETS for item FS-SKVM-42HD-DP
KTF0195	BRACKETS 19" for item FS-SKVM-82HD-DP
KTF0196	TABLE BRACKETS for FS-SKVM-82HD-DP
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

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