Secure Isolators

Models:

FV11D-M - Secure 1-Port DVI-I Video Isolator
FV11H-M - Secure 1-Port HDMI Video Isolator
FV11P-M - Secure 1-Port DisplayPort Video Isolator

FI11D-M - Secure 1-Port DVI-I KVM Isolator
FI11H-M - Secure 1-Port HDMI KVM Isolator
FI11P-M - Secure 1-Port DisplayPort KVM Isolator

HDC19412 Rev. 1.0

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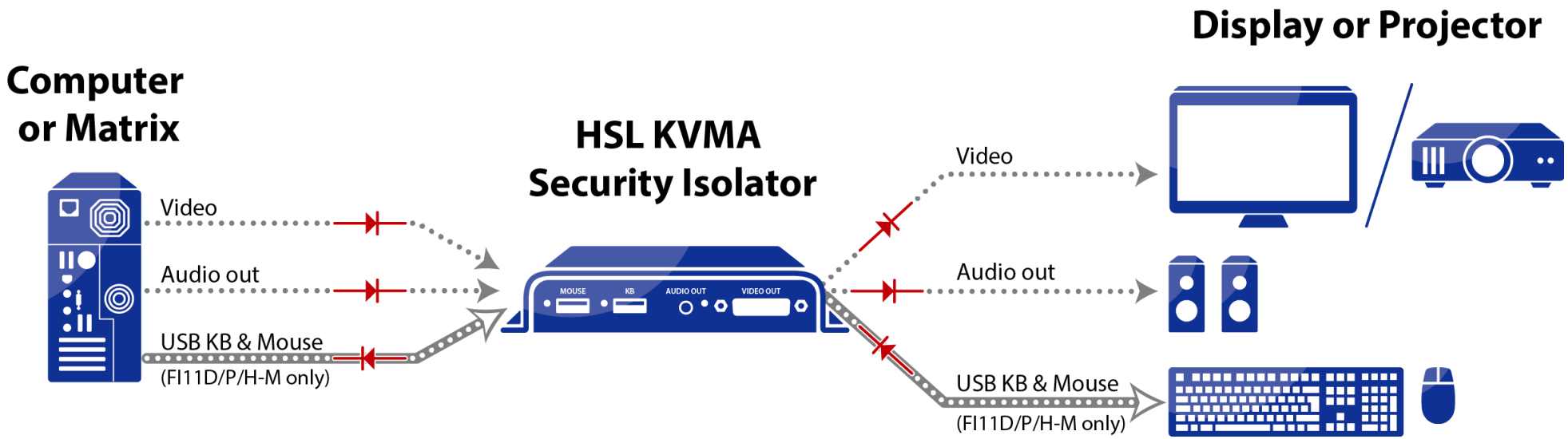
INTRODUCTION

HSL Secure Isolators

The secure Isolator prevents vulnerable peripherals from mediating between compromised and secure computers by ensuring that video and audio flow in a single direction.



INSTALLATION

Connecting the Isolator

Step 1 - Connect the PC to the Isolator's PC SIDE:

1. **Audio connection:** For all models, connect the PC to the Isolator's **AUDIO IN** port, using a 1/8" (3.5mm) stereo plug.
2. **Video connection:** For all models, connect the PC to the Isolator's **VIDEO IN** port, using the corresponding video cable (VGA/HDMI/DVI/DP).
3. **PC keyboard and mouse connection:** For FI11D-M, FI11H-M, and FI11P-M models, connect the PC to the Isolator using a USB A to USB B cable. Connect the USB A end to the PC and the USB B end to the Isolator's **COMP/MOUSE** port.

INSTALLATION

Step 2 - Connect the peripherals to the Isolator's CONSOLE SIDE:

1. **Audio connection:** For all models, connect the speakers to the Isolator's **AUDIO OUT** port.
2. **Video connection:** For all models, connect the monitor/projector cable to the Isolator's **VIDEO OUT** port.
3. **PC keyboard and mouse connection:** For FI11D-M, FI11H-M, and FI11P-M models, connect a USB mouse and keyboard, to the Isolator's corresponding **MOUSE** and **KB** ports.

   Both mouse and keyboard LEDs should light continuously.

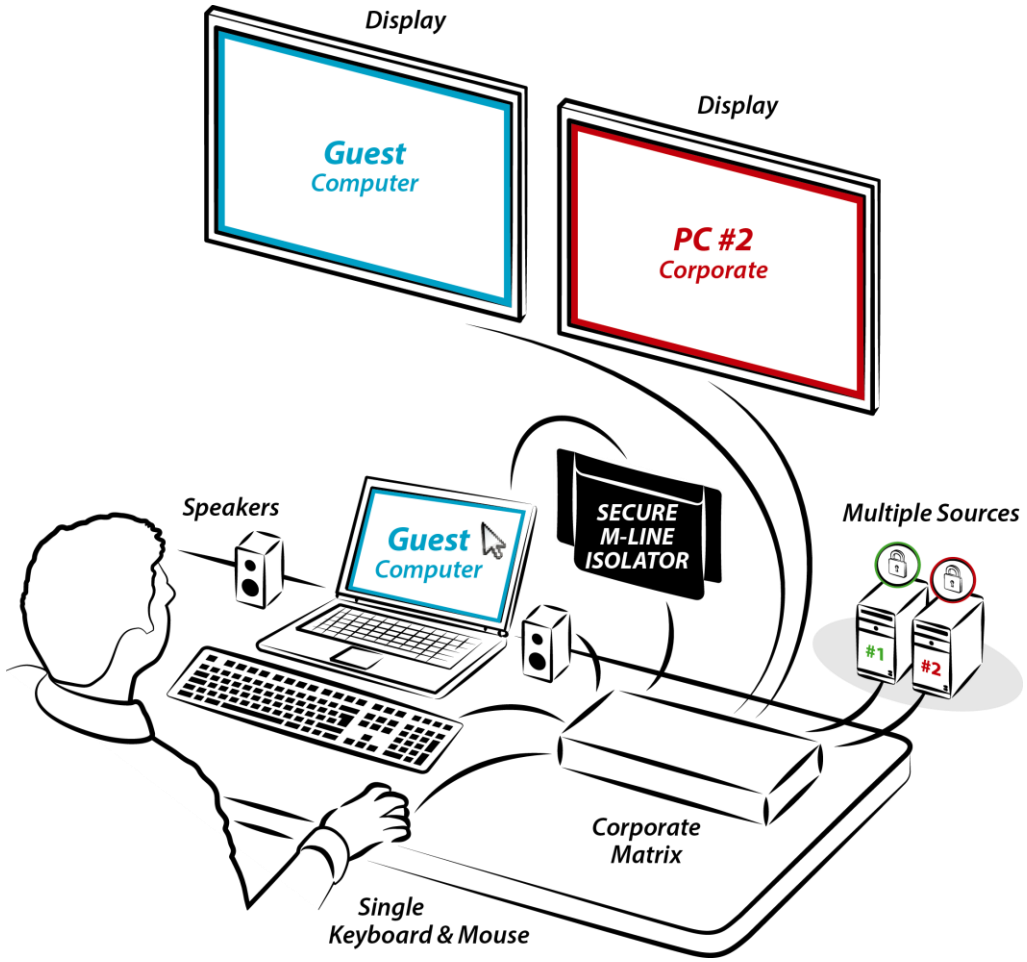
Note: If either LED remains OFF, the Isolator does not recognize the device; use an alternative device.

INSTALLATION

Step 3 - Power ON the Isolator

1. For all models, connect the power adapter to the Isolator's PC SIDE, DC IN port.
   Power ON the Isolator by plugging it into an AC wall outlet.
2. The PC SIDE Power LED should light continuously. If not, check the connections.

Step 4 - Make sure the PC and display are powered ON



OPERATION

Running an EDID Capture

Before using the Isolator, run a one-time EDID capture. This prevents the continuous transfer of potentially malicious data - from the display to the PC – that could infect the PC, cause data leakage, and so on.

Note: An EDID capture needs to be performed for new installations and when changing a display.

Preparation:

- Connect the PC and all peripherals to the unit, according to the diagram.
- Make sure the PC, display, and unit are ON.

To run an EDID capture:

1. On the PC SIDE, short-click the CAPTURE button – for less than one second. Warning: Long-clicking the CAPTURE button sends the unit into an undesired loop. If this happens, restart the unit and repeat the procedure.
   At first, the EDID LED flickers for a few seconds and then lights continuously.

   Note: If the EDID LED is OFF, check the connections and that the display is powered ON. Then, repeat the procedure.

2. Restart the unit.

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