HighSecLabs
Highest Security Solutions

**DP/HDMI
DUAL CONNECTOR**

SECURE KVM AND VIDEO EXTENDERS

Securely extend via copper or fiber keyboard, video, mouse.

HSL Secure, NIAP PP4.0 Compatible Extended Isolators enable secure unidirectional and filtered long-distance extension of computer video and keyboard/mouse signals, while preventing vulnerable peripherals from compromising network security.

KVM EXTENDERS HIGHLIGHTS

NIAP Common Criteria PP4.0 Compliant

HSL KVMs qualify to the latest NIAP Common Criteria Protection Profile version 4.0 (PP4.0) certification for Peripheral Sharing Device (PSD) devices.
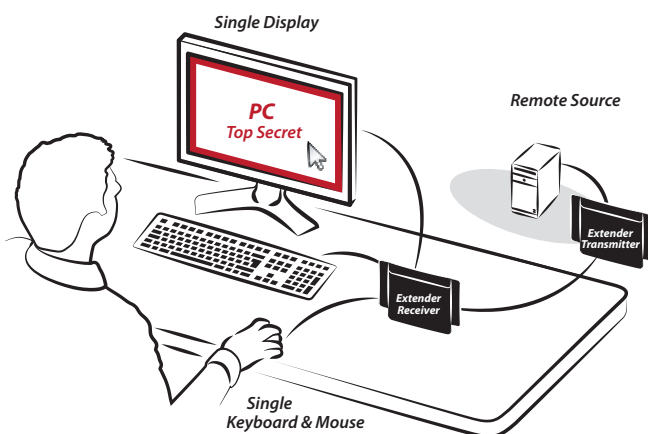
Extra Long Range

Using either Fiber (10KM) or Copper (100m) to connect between source and display.

DP/HDMI Combined Connector

Allows connecting both type of cables – Display Port and HDMI including format conversion.

POE Support

Power Extender Receiver via POE using 48V connected to TX unit.

Single Display

**PC
Top Secret**

Remote Source

Extender Transmitter

Extender Receiver

Single Keyboard & Mouse

SECURITY FEATURES

Video Security

- Computer video input interfaces are isolated through the use of different electronic components, power and ground domains.
- The display is isolated by a dedicated, read-only, EDID emulation for each computer.
- Access to the monitor's Extended Display Identification Data (EDID) is blocked.
- Access to the Monitor Control Command Set (MCCS commands) is blocked.
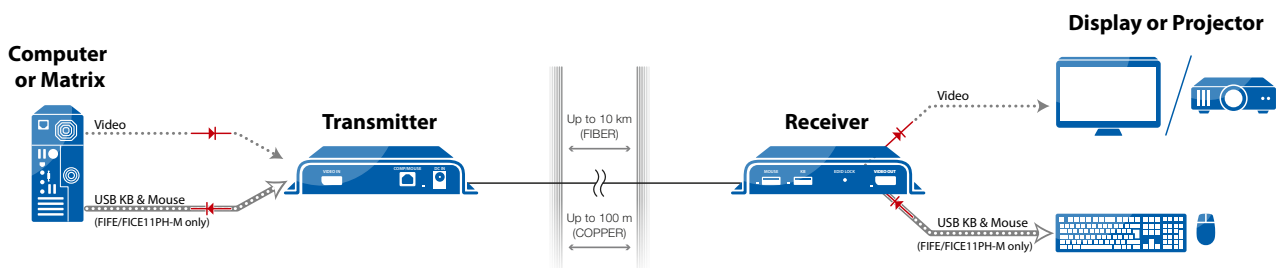
Keyboard & Mouse Security

- The keyboard and mouse are isolated by a dedicated, USB device emulation for each computer.
- One-way, peripheral-to-computer data flow is enforced through Communication from computer-to-keyboard/mouse is blocked.
- Non-HID (Human Interface Device) data transaction is blocked.
- Special holographic tampering evident labels on the product's enclosure provide a clear visual indication if the product has been opened or compromised.

*NIAP PP PSS 4.0
COMPLIANT
COMMON CRITERIA*

SPECIFICATION

PART NUMBER	FICE11PH-M	FVCE11PH-M	FIFE11PH-M	FVFE11PH-M
No. of Sources	1	1	1	1
CONSOLE PORTS - RECEIVER				
Displays	DP/HDMI	DP/HDMI	DP/HDMI	DP/HDMI
Max Resolution (Input & Output)	Supporting UHD 4K resolutions up to 3840x2160 @ 30 HzUp to 100M*		Supporting UHD 4K resolutions up to 3840x2160 @ 30 Hz Up to 10K**	
Mouse and Keyboard	2 x USB Type A	-	2 x USB Type A	-
Link Port	RJ45	RJ45	10GBASE-LR SFP + 1310mm	
Cable Supported	Cat 5E and higher (Cat 6 recomanded)		OM2 and Higher Single Mode fiber	
COMPUTER PORTS – TRANSMITTER				
Display Type	DP/HDMI	DP/HDMI	DP/HDMI	DP/HDMI
Mouse and Keyboard	USB Type B	-	USB Type B	-
POWER				
PoE	Yes	Yes	No	No
Power Requirements	TX: 48V RX: 12V DC optional	TX: 48V RX: 12V DC optional	RX/TX: 12V DC	RX/TX: 12V DC
AC Input	100 to 240 AC			
Power Type	External			
PHYSICAL				
Dimensions TX and RX	145 (W) x 105 (D) x 28 (H) mm / 5.8 (W) x 4.2 (D) x 1.1 (H) inch			
Weight	0.64 kg (1.4 lbs)			
ENVIRONMENTAL				
Operating Temperature	32° to 104° F (0° to 40° C)			
Storage Temperature	-4° to 140° F (-20° to 60° C)			
Humidity	0-80% RH, non-condensing			
SOFTWARE				
Supported OS	Windows, Linux, Mac			
CERTIFICATION				
Security Certification	Compliant with NIAP Common Criteria PP4.0 for Peripheral Sharing Device (PSD) devices			
Product Certification	CE, RCM, FCC class B, VCCI, TUV US, TUV Canada			
GENERAL INFO				
Product life-cycle	10 years			
Warranty	2 Years			

*   Depends on the type, quality of the CATx cable.

** Depends on the GBIC type