![HighSecLabs – Highest Security Solutions Ltd.]

SECURE 2/4/8-PORT MODULAR KM SWITCHES

Optimize user experience when working with multiple computers. View and control two out-of-four computers at the same time whilst securely sharing keyboard, video and mouse.

Ultra HD 4K

NIAP PP PSD 4.0 COMPLIANT COMMON CRITERIA

The Modular Matrix KVM switch offered by HSL provides increased productivity in challenging multi-computer environments where users are required to view and interact with several computers while maintaining the highest isolation between computers and peripherals.

MODULAR MATRIX 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 Switch (PSS) devices.

- **Easy Switching between connected computers**
  Switch between connected computers simply by dragging your mouse from screen to screen. KB and audio will follow the mouse switching.

- **The ideal KVM switch for meeting rooms and control centers**
  Best suites scenarios where one or more computers have to be presented at the same time on multiple displays. For example:
  - In control centers where information from several sources has to be constantly displayed in real-time.
  - In meeting rooms where both visitor and host computers are to be viewed and controlled simultaneously.

- **Modular Design**
  Change your matrix configuration by changing connected cables.
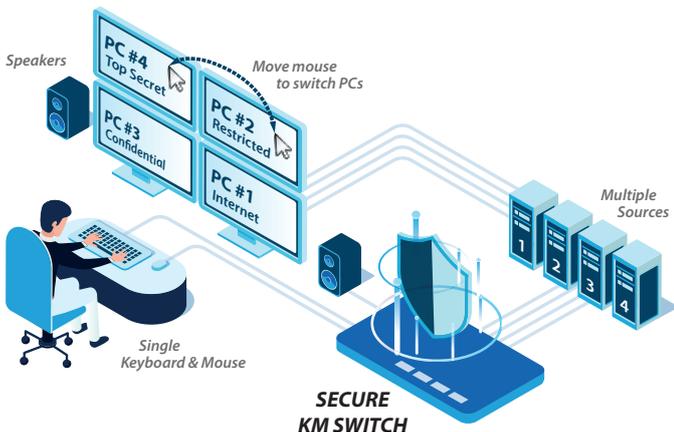
SECURITY FEATURES

- **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 unidirectional optical data diodes.
  - Communication from computer-to-keyboard/mouse is blocked.
  - Non HID (Human Interface Device) data transaction is blocked.

- **Cable extensions and Mounting**
  change cable length and use advance mounting options with optional cable extender and mounting brackets.

- **Flexible Setups**
  Multiple setups predefined including additional connected displays and a mix of Dual and Single head computers.

HSL 4-Port Secure Modular KM Switch System Diagram

HSL 4-Port Secure Modular KM Switch with Remote Control (WRx0-MM) (Optional)

CABLES

MODEL	DESCRIPTION	
KCF0018-H	SINGLE-HEAD HOST USB W/HDR 213CM (7FT)	
EXTENSIONS		
KEF0C-H	MODULAR HOST HDBT CAT6 EXTENDER	
KCF0012-EXH	HOST EXTENSION CABLE 120 CM (4 FT)	
KCF0012-EXC	CONSOLE EXTENSION CABLE 120 CM (4 FT)	

Modular KVM/KM VESA Mount Brackets
RK-4F-VESA
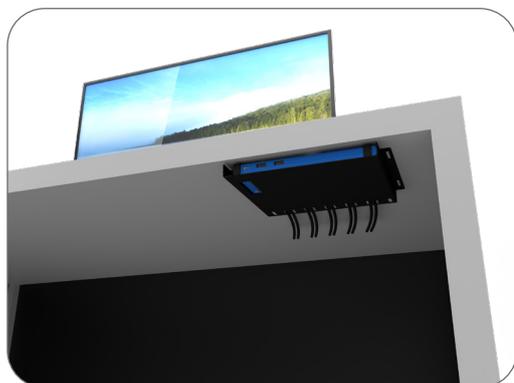
Modular KVM/KM Under Desk Mount Brackets
RK-4F

SPECIFICATION

PART NUMBER	SM20N-MM	SM40N-MM	SM80N-MM
No. of Sources	2	4	8
CONSOLE PORTS			
Mouse and Keyboard	USB Type A	USB Type A	USB Type A
SOURCE/COMPUTER PORTS			
Mouse and Keyboard	USB Type B	USB Type B	USB Type B
RS232	Mini USB Type B	Mini USB Type B	Mini USB Type B
PHYSICAL			
Dimensions	88.2 (W) x 14 (H) x 188 (L) mm / 3.47 (W) x 0.55 (H) x 7.4 (L) Inches	88.2 (W) x 14 (H) x 188 (L) mm / 3.47 (W) x 0.55 (H) x 7.4 (L) Inches	88.2 (W) x 14 (H) x 327.5 (L) mm / 3.47 (W) x 0.55 (H) x 12.9 (L) Inches
Weight	0.250 kg (0.55 Lbs)	0.250 kg (0.55 Lbs)	
POWER			
Power	12-volt DC (+/- 10%) , 2.5-Amp (max)		
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	Microsoft® Windows®, Red Hat®, Ubuntu® and other Linux® platforms, Mac OS® X v10.3 and higher		
CERTIFICATION			
Security Certification	Compliant with NIAP Common Criteria PP4.0 for Peripheral Sharing Switch (PSS) devices		
Product Certification	CE, RCM, FCC class B, VCCI, TUV US, TUV Canada		
GENERAL INFO			
Made In	ISRAEL		
Product life-cycle	10 years		
Warranty	2 Years		

HSL 4-Port Secure Modular KM Switch with Remote Control (WRx0-MM) (Optional)