

THE ULTIMATE SECURE KVM SOLUTION

K244E - Front Panel

KVM becoming a target for networks leakage attacks. Second-Generation Secure KVMs have documented vulnerabilities that may cause data leakages between hosts having different security levels.

HSL's K244E Secure KVM Switch provides the highest possible isolation between four connected dual-head computers. This Third-Generation Secure KVM was designed to meet the requirements of organizations challenged by the need to provide secret or top-secret network access together with unclassified or internet access.

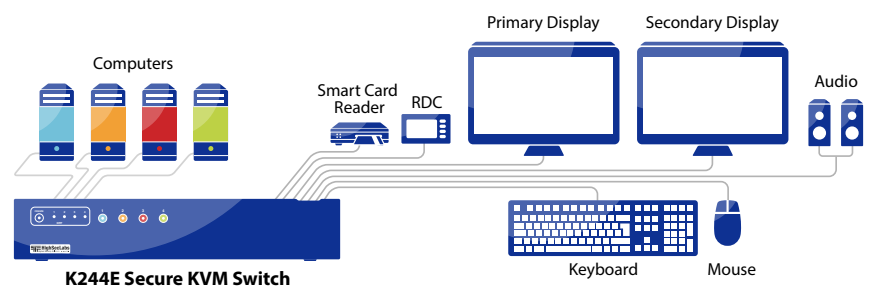
HSL Secure KVM switches use unidirectional optical data-diodes to prevent any potential leakage between the highly isolated peripheral channels. HSL Secure KVM switches can also be used to securely filter and lock USB ports preventing data export / import through mass-storage devices by hardware.

The K244E drives two independent user displays and supports four isolated

computers each having two video output with video interface from VGA to dual-link DVI and HDMI.

The K244E model provides a dedicated peripheral port to securely support bi-directional devices such as smart-card reader, biometric device or touch screen.

Remote Desktop Controller (RDC) option enables comfortable remote control of all KVM functions through a rotary switch and a graphic LCD.



PRODUCT HIGHLIGHTS

- Dual-head support**
Support four computers each one two displays. Support any resolution. Can drive VGA, HDMI single-link and dual-link DVI.
- Unidirectional optical data diodes**
Assuring USB peripherals isolation. Data can flow from devices to host only. No reverse data flow possible by design.
- Smart-Card reader support**
Special secured port for smart-card or biometric reader with patented Freeze function to support user authentication across multiple isolated networks.
- Future-proof**
Supports widest variety of peripherals and computers. Supports the widest range of video formats from VGA, single-link to 2560x1600 dual-link DVI and HDMI. Supports the latest keyboards, mice and card readers and all Operating Systems.
- Highest security by design**
Designed by an agency to support isolation between national security networks and internet. EAL4+ certified.
- Hardware Based peripheral protection/isolation**
Absolutely no dependency on firmware or software. All firmware is in ROM (Read Only Memory). No keyboard buffering or memory.
- Display Plug & Play (DDC) protection**
Leakage prevention through patented emulated technology. Signalling attacks prevented by design.
- Always-on Active Anti-tampering**
Enclosure tampering sensed by multiple sensors. Battery powered anti-tampering circuitry prevents normal KVM operation.

K244E - Back Panel


SPECIFICATION

ITEM NUMBER	K244E
Host Input Ports	Four input ports from host computers having: <ul style="list-style-type: none"> - 4 x DVI-I Female connectors (VGA and HDMI supported) for Primary Video - 4 x DVI-I Female connectors (VGA and HDMI supported) for Secondary Video - 4 x USB Type-B connectors for keyboard and mouse - 4 x Audio out 3.5 mm stereo jacks for audio input - 4 x Dedicated Peripheral Ports USB Type-B connectors
Console ports	2 x DVI-D Female connector for user displays 2 x USB Type-A jacks for USB Mouse & Keyboard USB port for DPP (user authentication device) PS/2 keyboard connector (DIN-5) PS/2 mouse connector (DIN-5) Audio out 3.5 mm stereo jack for audio output Remote Desktop Controller (RDC) port
Channel Switching	Front Panel push buttons Keyboard shortcuts Remote Desktop Controller (RDC) (Sold separately)
Video modes supported	DVI Dual-link supports resolution up to 2560 x 1600. DVI Single-link supports resolution up to 1920x1200. HDMI supported through adapters or cables. VGA display supported. Resolution up to 2048x1536.
Power	DC input 12V / 5A maximum Wall mounted power supply included. Power input 90-240V AC
Environmental	Temperature range: Operating - 0°C to 40°C (32°F to 104°F); Storage - -20°C to 60°C (-4°F to 140°F) Humidity: Operating - 20 to 80% non condensing; Storage - 10 to 90% non condensing
Regulatory Compliance	Safety: UL/cUL60950, EN60 950 EMI/EMC: FCC Class B, CE Mark, EN55022B, VCCI
Security Accreditations	Common Criteria EAL 4+ ALC_FLR.3 certified Complies with NIAP Peripheral Sharing Switch (PSS) For Human Interface Devices Ver 2.1
Physical Characteristics	Dimensions: 320(W) x 130 (D) x 65 (H) mm / 12.8 (W) x 5.2 (D) x 2.6 (H) inch Device weight: 1.82 Kg. (4 lbs.)
Warranty, reliability	Product life-cycle 10 years Warranty 2 Years