

K244E-SH

4-Port Dual-Head Secure KVM Switch



Manage KVM operations on four dual-head computers with the latest in security features

FEATURES

- Validated to EAL 4+ security standards
- Complies with Common Criteria Protection Profile 2.1
- Manage four connected dual-head computers in isolation
- Advanced scaling enables no quality loss
- Unidirectional data paths
- Dedicated processors for emulation
- USB port protection

APPLICATIONS

- Government Operations
- Defense Applications
- Security Control Rooms
- Corporate Communications and Server Operations
- Medical Campuses
- Airports



THE ULTIMATE IN SECURE KVM

The K244 secure KVM switch features the most protections and separations between connected computers available on the market. This KVM switch eliminates points of vulnerability that have plagued other KVM units.

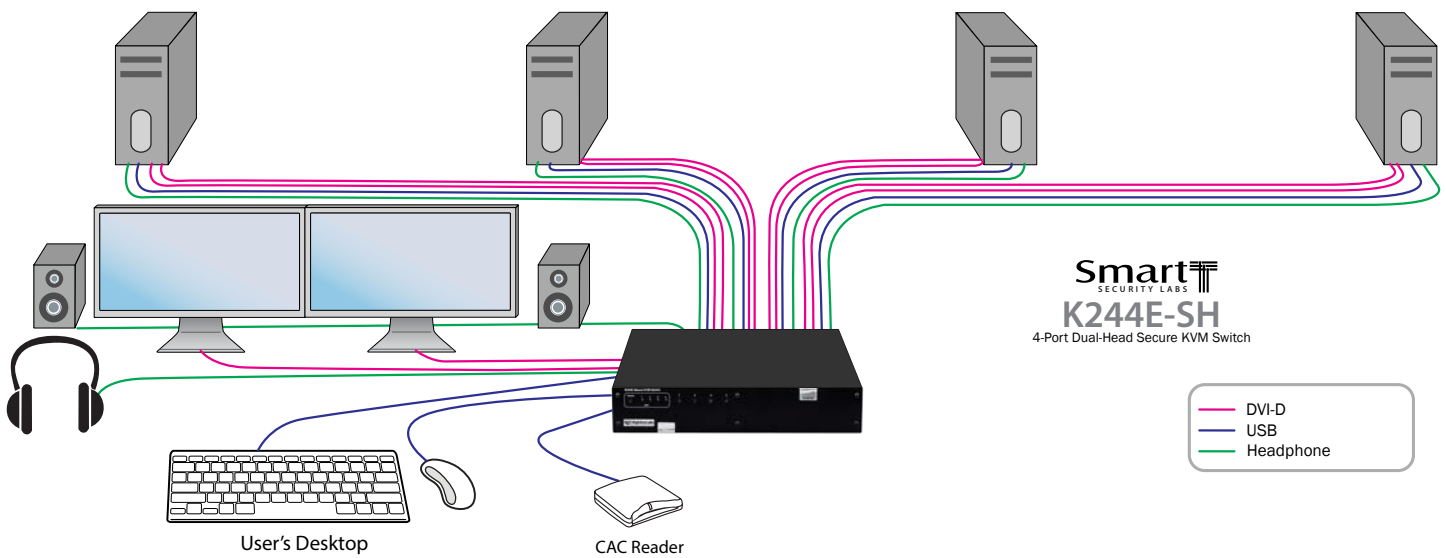
With four connected dual-head computers, the K244 offers impressive levels of seamless communications even when connecting computers that are on different levels of security clearance and Internet access. Users can set up two displays to get the most out of dual-head computers. The K244 utilizes unidirectional optical data-diodes which insulates all connections from any possible points of data leakage among peripherals. Every K244 secure KVM switch is rigorously and extensively tested to ensure it will remain stalwart against any known form of KVM security attacks. The unit has been certified to meet EAL 4+ standards to assure it provides the highest level of security possible.

NEW DEVELOPMENTS IN KVM SECURITY

The K244 eliminates the documented vulnerabilities of other so-called secure KVM devices sold in the market today related to data leakages between connected computers with different security levels.

This product offers the highest possible separation between two connected computers. The K244 uses unidirectional optical data diodes to prevent any potential leakage between the highly-isolated peripheral channels. This KVM can also be used to securely filter and lock USB ports preventing data export / import through mass-storage devices by hardware.

APPLICATION DIAGRAM



SPECIFICATIONS



K244E-SH Front



K244E-SH Rear

VIDEO	
Host Computer Input Ports	4 x isolated USB Type B and Audio input ports to connect computers 4 x isolated keyboard and mouse device emulators 4 dual-head DVI-I female connectors
Console Ports	USB Type-A jacks for keyboard and mouse RDC Port to connect HSL Remote Desktop Controller (RJ-45 jack) Channels isolation with optical data-diode and two separate host emulators 2 DVI-i female connectors for user displays
User Control	Channel switching via Virtual Desktop Technology (VDT) – KM operation will switch to current cursor location Manual channel selection via Hotkeys Status LED's in front panel to indicate current selected channel User may set mouse speed, acceleration other cursor behaviors
Power	AC input cable IEC-3 jack Internal power supply. Power input 90-240V AC, 0.2A maximum at 110VAC
Security Functions	USB ports supporting only keyboard and mouse through host emulation and strong filtering Optical Data Diode assures unidirectional flow from devices to computers Changing Firmware (on ROM) cannot cause leakage between channels or data export Isolated power supplies for each device emulator Battery powered anti-tampering system to disable product in case of mechanical intrusion Special holographic Temper Evident Labels
Peripheral security	USB ports supporting only keyboard and mouse through host emulation Data-diode assures USB unidirectional flow from devices to host Firmware change can not cause leakage between channels or data export
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 Altitude: 0 to 10,000 ft
Regulatory Compliance	Safety: UL/cUL60950, EN60 950 EMI/EMC: FCC Class B, CE Mark, EN55022B, VCCI
Security Accreditations	Common Criteria EAL 4+ certified Complies with latest NIAP Peripheral Sharing Switch (PSS) For Human Interface Devices Ver 2.1
Physical Characteristics	Dimensions: 135(D) x 320 (W) x 75 (H) mm / 5.3 (D) x 12.6 (W) x 3.0 (H) inch Device weight: 1.8 Kg. (4.0 lbs.) Shipping Weight: 2.2 Kg (4.8 lbs) without cables
ORDERING INFORMATION	
Part No.	Description
K244E-SH	4-Port Dual-Head Secure KVM Switch