

THE ULTIMATE SECURE KVM SOLUTION

Many high security organizations are using network isolation as an essential part of their security policy. Once their critical network and information was separated from public/not classified networks the only possible bridge between the networks is the KVM switch.

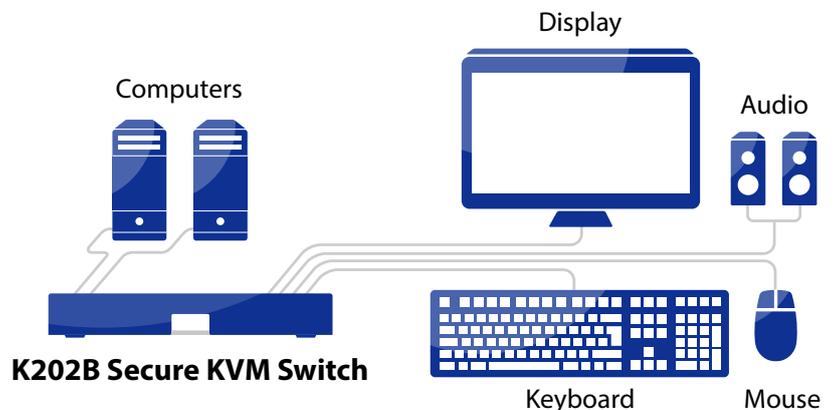
KVM switches are commonly used by users in secure organizations to reduce desktop clutter and increase productivity by allowing the user to share his peripherals (keyboard, mouse and monitor) between different computers. Users with two segregated networks were at a loss as they could not find a cost effective solution that will allow the peripheral sharing.

HSL K202B and K202D are the first low cost high security solution to this problem. The K202B/D Secure KVM designed to meet the requirements of organizations that are challenged by the need to provide secret or top-secret network access together with unclassified or internet access.

The K20x series KVM uses uni-directional 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. The K202 is offered in two models – the K202D that supports DVI-D video and the K202B that supports DVI-I (and VGA) legacy video.

Patented DDC emulation technology enables safe operation with display Plug and Play support. Product passed extensive security evaluation through all forms of known KVM attacks.



PRODUCT HIGHLIGHTS

- **Highest Security by Design**
Designed by an agency to support isolation between national security networks. Common Criteria EAL 4+ approved. Derivative of a TEMPEST product used in NATO nuclear submarines.
- **Low Cost**
Lowest cost certified Secure KVM in the market. Although this product is 3rd generation secure KVM it is cheaper than most 2nd generation products in the market.
- **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. More than 60dB isolation between channels.
- **Unidirectional Optical Data Diodes**
Assuring USB peripherals isolation. Data can flow from devices to host only. No reverse data flow possible by design.
- **Smallest Size**
The K202 product is by far the smallest secure KVM switch in the market today.
- **Display Plug & Play (DDC) Protection**
leakage prevention through patented emulated technology. Signalling attacks prevented by design. DDC/EDID fully functional.
- **Peripherals Security**
full USB devices filtering to assure support for keyboard and mouse only.
- **Active Anti Tampering**
Always-on active anti-tampering with 10 years battery. Special holographic tampering evident labels.


K202B - Back Panel

K202D - Back Panel

K202SI - Back Panel

SPECIFICATION

PART NUMBER	K202B	K202D	K202SI
Host Computer Input Ports	Two input ports from host computers having: 2 x DVI-I Female connectors for video 1 x USB Type-B connector for keyboard and mouse 1 x Audio input 3.5 mm stereo jack Monitor Plug & Play DDC support through emulation to prevent DDC leakage	Two input ports from host computers having: 2 x DVI-D Female connectors for video 1 x USB Type-B connector for keyboard and mouse 1 x Audio input 3.5 mm stereo jack Monitor Plug & Play DDC support through emulation to prevent DDC leakage	Two input ports from host computers having: 2 x DVI-I Female connectors for video 1 x USB Type-B connector for keyboard and mouse Monitor Plug & Play DDC support through emulation to prevent DDC leakage
Console Ports	One set of output ports for display, keyboard, mouse, having: 1 x DVI-I Female connector 2 x USB Type-A jacks for keyboard and mouse 1 x Audio output 3.5 mm stereo jack Channels isolation – optical data-diode and two separate host emulators	One set of output ports for display, keyboard, mouse, having: 1 x DVI-D Female connector 2 x USB Type-A jacks for keyboard and mouse 1 x Audio output 3.5 mm stereo jack Channels isolation – optical data-diode and two separate host emulators	One set of output ports for display, keyboard, mouse, having: 1 x DVI-I Female connector 2 x USB Type-A jacks for keyboard and mouse Channels isolation – optical data-diode and two separate host emulators
Management	Channel select push-buttons and status LED's Keyboard hotkeys [optional – may be disabled]		
Video modes supported	Both models supports all single-link DVI resolutions up to 1920 x 1200 K202B supports all VGA resolutions up to 2048x1536 VGA output is usable only if all inputs and output are VGA and requires proper cables and DVI-I to VGA adapter.		
Power	DC input 12V / 1A 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 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 NIAP Peripheral Sharing Switch (PSS) For Human Interface Devices Ver 2.1		
Physical Characteristics	Dimensions: 136(W) x 615 (D) x 36 (H) mm / 5.4 (W) x 24.6 (D) x 1.46 (H) inch Device weight: 0.36 Kg. (0.8 lbs.)		
Warranty, Reliability	Product life-cycle: 10 years Warranty: 2 Years		