

SECURE KVM MINI MATRIX

Secure meeting rooms or manager offices in secure organizations often have multiple computers which can be displayed on desktop display and large screen simultaneously.

K222 Back Panel

HSL's newly launched mini matrixes are allowing users to connect 2-4 computers and project their display on 2 connected displays. Users are also able to switch their mouse and keyboard between the connected computers. Users can easily decide which source will be projected on which display (including duplicate) and where should the mouse and keyboard be mapped to.

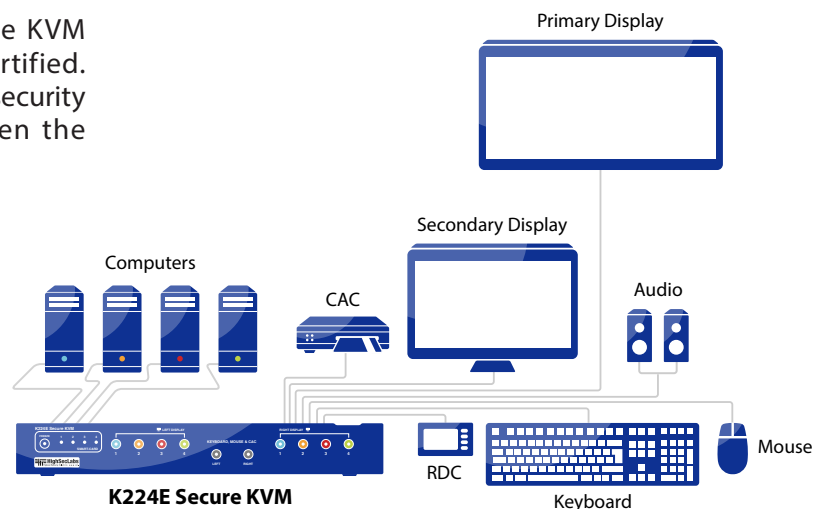
HSL K222 (2 inputs) and K224 (4 inputs) are creating a unique solution required in many secure and none secure organizations.

HSL mini matrixes are based on HSL's secure KVM switches product line and are also EAL 4+ certified. Users can connect computers having different security levels without the risk of data leak between the connected computers.

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. RDC (Remote Desktop Controller) port enables simple interface with HSL's RDC440 controller.

The K20x supports legacy VGA computers, single-link DVI or dual-link DVI video switching. The K20x is compatible with USB or PS/2 peripherals providing equal security levels. Patented DDC emulation technology enables secure operation with display. Product passed extensive security evaluation through all forms of known KVM attacks.



PRODUCT HIGHLIGHTS

- Highest security by design**
 Designed by agency to support isolation between national security networks. Common-Criteria EAL 4+ approved. Derivative of a TEMPEST product used in NATO nuclear submarines.
- Unidirectional optical data diodes**
 Assuring USB peripherals isolation. Data can flow from devices to computer only. No reverse data flow possible by optical diodes.
- Anti-tampering**
 Always on active anti-tampering with 10 years battery. Special holographic tampering evident labels.
- Flexible Projection**
 Display 2 connected computers on two different connected displays. Switch the projected computers easily using a keyboard short cuts or physical push buttons.
- Mouse and Keyboard Switching**
 Switch mouse, keyboard and audio between the two projected computers using keyboard shortcuts, physical push buttons or even mouse movement.
- VDT**
 Using HSL VDT (Virtual Desktop Technology) Keyboard and Mouse switching can be done by dragging the mouse from one screen to the other.
- Easy monitor setup**
 For easy monitor positioning configuration four different pre-sets are available.

SPECIFICATION

| Part Number | K222 | K224E |
|---|---|---|
| No. of Computers | 2 | 4 |
| Console Ports (Devices) | | |
| Console Mouse and Keyboard Ports | 2 * USB Type A | 2 * USB Type A, 2 * PS\2 |
| Console DPP Port | No | 1 * USB Type A |
| Console Audio Jack | 3.5mm Female | 3.5mm Female |
| Console Video | 2 * DVI-I Female connector | 2 * DVI-I Female connector |
| Remote control | Remote control | RDC (RJ45 port) |
| PC Port Jacks | | |
| Computer/Keyboard Mouse Port (per Computer) | USB Type B | USB Type B |
| DPP Port (per Computer) | No | USB Type B |
| Computer Audio Jack (per Computer) | 3.5mm Female | 3.5mm Female |
| Video Port (per computer) | DVI-I Female connector | DVI-I Female connector |
| Physical | | |
| Dimensions | 175 (W) x 60 (D) x 33 (H) mm / 7 (W) x 2.5 (D) x 1.34 (H) inches | 80 (W) x 158 (D) x 34 (H) mm / 3.15 (W) x 6.22 (D) x 1.34 (H) inches |
| Weight | 0.5 Kg (1.1 lbs.) | 1 Kg. (2.2 lbs.) |
| Power | | |
| Power Requirements | 12V DC, 1.5A (max) power adapter with center-pin-positive polarity | 12V DC, 1.5A (max) power adapter with center-pin-positive polarity |
| AC Input: | 100 to 240VAC | 100 to 240VAC |
| Power Type | External | External |
| Environmental | | |
| Operating Temperature | 32° to 104° F (0° to 40° C) | 32° to 104° F (0° to 40° C) |
| Storage Temperature | -4° to 140° F (-20° to 60° C) | -4° to 140° F (-20° to 60° C) |
| Humidity | 0-80% RH, non-condensing | 0-80% RH, non-condensing |
| Certification | | |
| Security Accreditation | Common Criteria EAL 4+ ALC_FLR.3 | Common Criteria EAL 4+ ALC_FLR. |
| General Information | | |
| Product life-cycle | 10 years | 10 years |
| Warranty | 2 Years | 2 Years |

K224E Front Panel



K224E Back Panel

