KRAMER

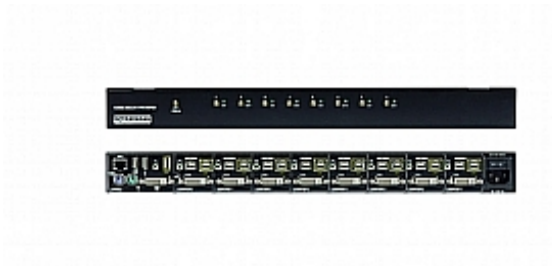## K208E

HighSecLabs Secure 8−Port, DVI−I KVM Switch

The K208E is a secure 8−port DVI−I KVM switch. It allows users to share peripherals – keyboard, mouse and monitor – between eight different security−level networks/computers. The K208E is especially designed to provide the highest possible isolation between eight connected computers with each computer connected to a single display. The video ports support various video interfaces, from VGA to dual−link DVI and HDMI. K208E includes a USB user−authentication port (DPP) that enables connecting a biometric or smart card reader, requiring the insertion of a physical authentication card or identification of a fingerprint to access the various computers/networks.

FEATURES

- **Large KVM Switch** - For high density environments, designed for rack−mounting in data centers and server rooms.
- **DVI-I Support** - Supports eight computers each connected to a single display. Can drive VGA, HDMI and dual−link DVI video.
- **Biometric/Smart-Card Reader Support** - Special secured port (DPP) for smart−card/biometric reader with patented freeze function to support user authentication across multiple isolated networks.
- **Future-Proof** - Supports the widest range of video formats from VGA, single−link to 2560x1600 dual−link DVI and HDMI, supports latest keyboards, mice and all operating systems.
- **Highest Security by Design** - Common Criteria EAL 4+ approved, compatible with NIAP security requirements.
- **Hardware-Based Peripheral Isolation** - No dependency on firmware or software, all firmware on ROM (Read Only Memory), no keyboard buffering or memory.
- **Unidirectional Optical Data Diodes** - Assures USB peripheral isolation, data flows from devices to host only.
- **Display Plug & Play (DDC) Protection** - Leakage prevention through patented emulated technology, signaling attacks prevented by design, DDC/EDID fully functional.
- **Peripheral Security** - Full USB device filtering to assure support for keyboard and mouse only.

TECHNICAL SPECIFICATIONS

HOST INPUT PORTS:	8 DVI−I (F) connectors (VGA and HDMI supported via adapters), 8 USB−B connector for keyboard and mouse, 8 3.5mm mini jack for unbalanced stereo audio, 8 USB−B dedicated peripheral ports (DPP).
CONSOLE PORTS:	1 DVI−I (F) connector, 2 USB−A connectors for keyboard and mouse, 1 USB−A dedicated peripheral port (DPP), 2 DIN−5 connectors for PS/2 keyboard and mouse, 1 3.5mm mini jack for unbalanced stereo audio.
CHANNEL SWITCHING:	Front panel buttons, keyboard shortcuts.
SUPPORTED VIDEO MODES:	DVI dual−link resolutions up to 2560 x 1600, single−link DVI resolutions up to 1920x1200, VGA resolutions up to 2048x1536. HDMI supported through adapters or cables.
POWER:	90−240V AC.
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	−40° to +60°C (−40° to 140°F).
HUMIDITY:	10% to 90%, RHL non−condensing.
REGULATORY COMPLIANCE:	Safety: UL/cUL60950,EN60 950; EMI/EMC: FCC Class B, CE Mark, EN55022B, VCCI.
SECURITY ACCREDITATIONS:	EAL 4+, EMI/EMC: FCC Class B, CE Mark, EN55022B, VCCI, UL/cUL60950, EN60 950.
INCLUDED ACCESSORIES:	Power cord.
PRODUCT DIMENSIONS:	44.10cm x 17.40cm x 4.50cm (17.36" x 6.85" x 1.77") W, D, H
PRODUCT WEIGHT:	3.2kg (7.1lbs) approx.
SHIPPING DIMENSIONS:	55.00cm x 24.00cm x 17.00cm (21.65" x 9.45" x 6.69") W, D, H
SHIPPING WEIGHT:	4.2kg (9.1lbs) approx.