K204E
HighSecLabs Secure 4−Port, DVI−I KVM Switch

The K204E is a secure 4−port DVI−I KVM switch. It allows users to share peripherals – keyboard, mouse and monitor – between four different security−level networks/computers. The K204E provides the highest possible isolation between four connected computers each having DVI−I video output. In addition to supporting DVI−I dual−link signals, it supports VGA and HDMI interfaces with the use of the applicable adapters.

FEATURES

- **DVI-I Support** - Supports four computers each connected to a single display. Drives VGA, HDMI and dual−link DVI video.
- **Biometric/Smart-Card Reader Support** - Dedicated peripheral port (DPP) for a smart−card/biometric reader with patented freeze function supports 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 the 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, 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.
- **Active Anti Tampering System** - Always−on with 10 years battery, holographic tampering evident labels.

TECHNICAL SPECIFICATIONS

HOST INPUT PORTS:	4 DVI−I (F) connectors (VGA and HDMI supported via adapters), 4 USB−B connector for keyboard and mouse, 4 unbalanced stereo audio on a 3.5 mm stereo jack, 4 USB−B dedicated peripheral ports.
CONSOLE PORTS:	1 DVI−I (F) connector, 2 USB−A connectors for keyboard and mouse, 1 USB−A dedicated peripheral port, 2 DIN−5 PS/2 keyboard and mouse connectors, 1 unbalanced stereo audio on a 3.5 mm stereo jack.
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 CONSUMPTION:	12V DC, 1.5A max.
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:	Common Criteria EAL 4+ certified, complies with NIAP Peripheral Sharing Switch (PSS) For Human Interface Devices Ver 2.1.